LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF127932.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.340	3	9	16	rVB	277433	398873	7.33%	0.569%
2	5.575	554	559	562	rBV	3884795	4400099	80.85%	6.281%
3	6.569	722	728	731	rBV	3572644	4667984	85.77%	6.664%
4	6.940	787	791	795	rBV	1076325	854920	15.71%	1.220%
5	7.510	881	888	891	rBV	2794560	3227971	59.31%	4.608%
6	7.669	911	915	919	rVB	91065	79331	1.46%	0.113%
7	8.222	1004	1009	1016	rBV	1190843	1153538	21.20%	1.647%
8	9.304	1186	1193	1196	rBV	5374002	5442195	100.00%	7.769%
9	9.563	1233	1237	1242	rBV	58993	83074	1.53%	0.119%
10	9.639	1245	1250	1252	rBV	119174	127677	2.35%	0.182%
11	9.757	1266	1270	1272	rBV	66699	70359	1.29%	0.100%
12	9.981	1298	1308	1311	rBV	1381194	1340638	24.63%	1.914%
13	10.016	1311	1314	1317	rVB	566844	434489	7.98%	0.620%
14	10.081	1322	1325	1330	rVB	67253	91010	1.67%	0.130%
15	10.139	1330	1335	1338	rBV2	137902	142738	2.62%	0.204%
16	10.186	1338	1343	1346	rVV2	204768	235313	4.32%	0.336%
17	10.222	1346	1349	1353	rVB	82825	73569	1.35%	0.105%
18	10.298	1358	1362	1364	rBV	71381	68225	1.25%	0.097%
19	10.386	1372	1377	1379	rBV	89229	129456	2.38%	0.185%
20	10.533	1397	1402	1406	rBV	454915	465275	8.55%	0.664%
21	10.580	1406	1410	1411	rBV	113730	97580	1.79%	0.139%
22	10.598	1411	1413	1414	rVV	141457	108179	1.99%	0.154%
23	10.616	1414	1416	1419	rVB2	129056	100975	1.86%	0.144%
24	10.686	1426	1428	1433	rVB	159641	173629	3.19%	0.248%
25	10.780	1437	1444	1447	rBV	3060761	3256502	59.84%	4.649%
26	10.898	1462	1464	1470	rVB4	64515	83283	1.53%	0.119%
27	11.080	1489	1495	1497	rBV3	237560	341725	6.28%	0.488%
28	11.110	1497	1500	1503	rVV2	194342	197392	3.63%	0.282%
29	11.163	1506	1509	1512	rVB	138561	132047	2.43%	0.189%
30	11.192	1512	1514	1515	rBV	99705	76446	1.40%	0.109%
31	11.227	1518	1520	1525	rVB2	110429	109365	2.01%	0.156%
32	11.280	1525	1529	1532	rVB	197322	176421	3.24%	0.252%
33	11.333	1532	1538	1542	rBV3	202030	282823	5.20%	0.404%
34	11.375	1542	1545	1555	rVB	301550	326941	6.01%	0.467%
35	11.480	1556	1563	1564	rBV	1151470	1174592	21.58%	1.677%
36	11.510	1564	1568	1570	rVV	4323298	4345873	79.86%	6.204%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.551	1572	1575	1578	rVV	1024924	917474	16.86%	1.310%
38	11.586	1578	1581	1583	rVB2	99741	99395	1.83%	0.142%
39	11.704	1597	1601	1607	rBV2	217849	262389	4.82%	0.375%
40	11.769	1610	1612	1616	rVV	165396	143699	2.64%	0.205%
41	11.804	1616	1618	1624	rVV	197222	195202	3.59%	0.279%
42	11.886	1630	1632	1637	rVB	114482	119364	2.19%	0.170%
43	11.933	1637	1640	1642	rBV	76242	70388	1.29%	0.100%
44	11.980	1644	1648	1650	rVV	1157793	1053892	19.37%	1.504%
45	12.010	1650	1653	1656	rVB	1299993	1153530	21.20%	1.647%
46	12.057	1656	1661	1663	rBV	392374	394219	7.24%	0.563%
47	12.092	1663	1667	1669	rVV2	1170085	1325994	24.37%	1.893%
48	12.116	1669	1671	1674	rVB	831078	638908	11.74%	0.912%
49	12.163	1676	1679	1681	rBV2	98153	92365	1.70%	0.132%
50	12.274	1695	1698	1700	rVV	649418	544548	10.01%	0.777%
51	12.298	1700	1702	1708	rVB2	413994	382560	7.03%	0.546%
52	12.345	1708	1710	1713	rBV	140578	121276	2.23%	0.173%
53	12.422	1721	1723	1726	rVV	357895	293115	5.39%	0.418%
54	12.451	1726	1728	1730	rVV	208223	169320	3.11%	0.242%
55	12.474	1730	1732	1735	rVB	149132	127121	2.34%	0.181%
56	12.527	1738	1741	1744	rBV	515321	556745	10.23%	0.795%
57	12.569	1744	1748	1750	rVV3	283724	428147	7.87%	0.611%
58	12.586	1750	1751	1753	rVB	195524	98901	1.82%	0.141%
59	12.616	1753	1756	1761	rBV2	299396	373008	6.85%	0.532%
60	12.698	1765	1770	1773	rBV	3287014	3044434	55.94%	4.346%
61	12.733	1773	1776	1778	rBV2	110886	88115	1.62%	0.126%
62	12.757	1778	1780	1787	rVB3	182249	188104	3.46%	0.269%
63	12.822	1787	1791	1793	rBV3	135914	158253	2.91%	0.226%
64	12.845	1793	1795	1798	rBV2	117257	112457	2.07%	0.161%
65	12.874	1798	1800	1802	rVB2	109856	90574	1.66%	0.129%
66	12.927	1802	1809	1814	rBV	2924336	3740864	68.74%	5.340%
67	12.969	1814	1816	1821	rVB2	213998	267813	4.92%	0.382%
68	13.069	1825	1833	1839	rVB	3833775	4052726	74.47%	5.785%
69	13.139	1841	1845	1852	rBV3	313510	540311	9.93%	0.771%
70	13.198	1852	1855	1857	rBV	266303	212644	3.91%	0.304%
71	13.227	1857	1860	1861	rVV2	219790	214545	3.94%	0.306%
72	13.251	1861	1864	1867	rVB	564554	555278	10.20%	0.793%
73	13.316	1872	1875	1878	rBV	376212	323295	5.94%	0.462%
74	13.357	1878	1882	1884	rBV2	412013	398686	7.33%	0.569%
75	13.380	1884	1886	1889	rVB	120832	98733	1.81%	0.141%
76	13.451	1895	1898	1900	rBV	257167	237358	4.36%	0.339%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.480	1900	1903	1906	rVB	332541	281374	5.17%	0.402%
78	13.539	1910	1913	1915	rBV2	91285	100004	1.84%	0.143%
79	13.651	1930	1932	1934	rBV	87811	80195	1.47%	0.114%
80	13.757	1947	1950	1955	rVB	236900	295274	5.43%	0.422%
81	13.869	1965	1969	1972	rBV2	204343	270950	4.98%	0.387%
82	13.898	1972	1974	1976	rVV	300795	229144	4.21%	0.327%
83	13.921	1976	1978	1982	rVV2	135884	179777	3.30%	0.257%
84	13.968	1983	1986	1989	rVB	173550	164222	3.02%	0.234%
85	14.116	2007	2011	2015	rBV2	1498478	2213218	40.67%	3.159%
86	14.151	2015	2017	2022	rVB	1452517	1262050	23.19%	1.802%
87	14.227	2028	2030	2033	rVB	163568	129936	2.39%	0.185%
88	14.468	2069	2071	2074	rBV	102931	107470	1.97%	0.153%
89	14.510	2075	2078	2081	rVV	372503	379508	6.97%	0.542%
90	14.539	2081	2083	2087	rVB	228425	199452	3.66%	0.285%
91	14.633	2097	2099	2101	rBV2	135357	113600	2.09%	0.162%
92	14.657	2101	2103	2106	rVB	163771	133461	2.45%	0.191%
93	15.192	2189	2194	2201	rVB	778588	1606453	29.52%	2.293%
94	15.298	2210	2212	2216	rVB	160794	161746	2.97%	0.231%
95	15.510	2244	2248	2254	rVB	526185	686854	12.62%	0.981%
96	15.574	2255	2259	2265	rVV	823580	1053496	19.36%	1.504%
97	15.639	2266	2270	2273	rVV2	570808	798190	14.67%	1.139%
98	15.674	2273	2276	2282	rVB2	224471	344828	6.34%	0.492%
99	17.180	2528	2532	2541	rVB2	254444	517348	9.51%	0.739%
100	17.651	2608	2612	2623	rVB	178724	386297	7.10%	0.551%

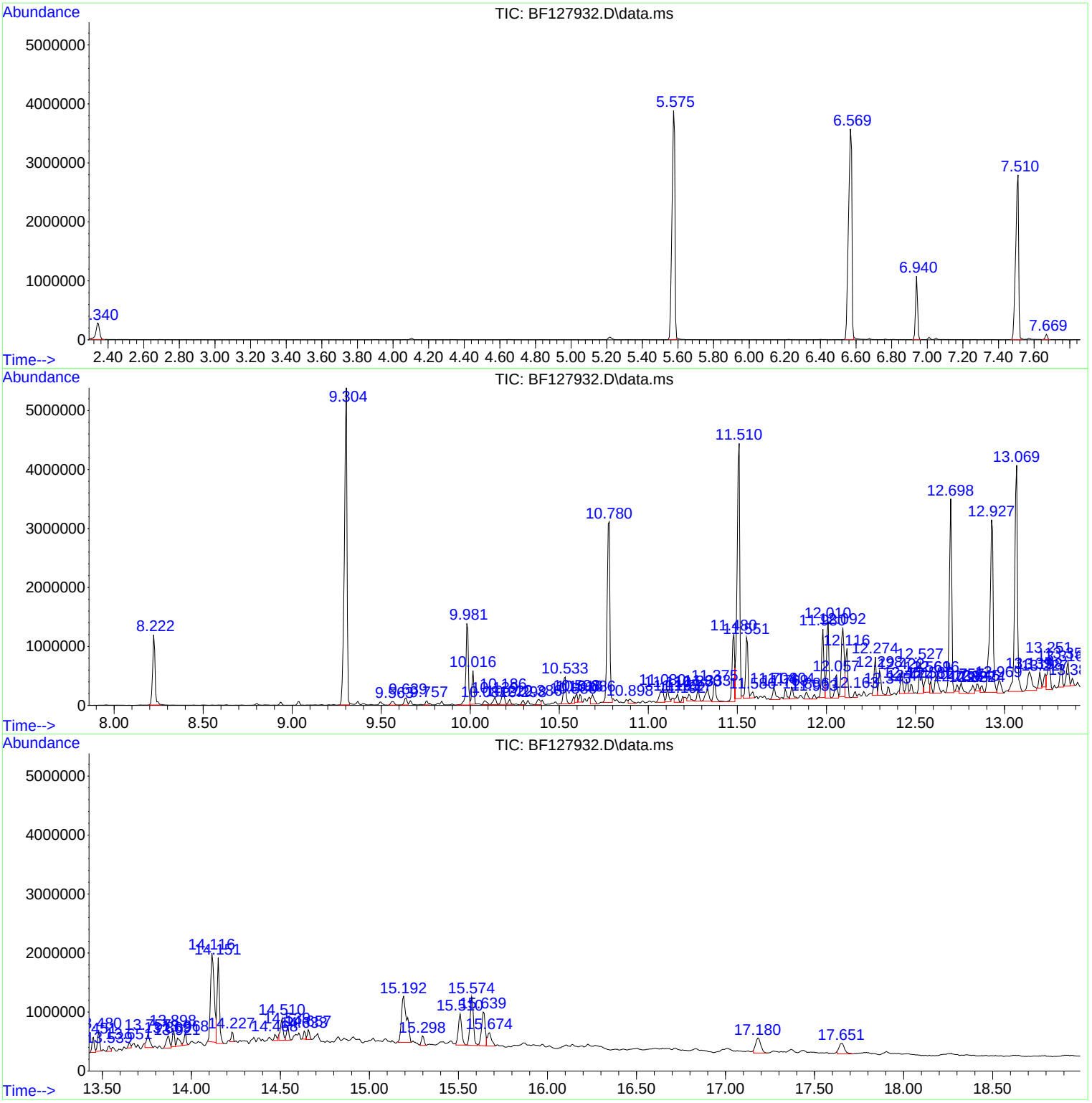
Sum of corrected areas: 70051104

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

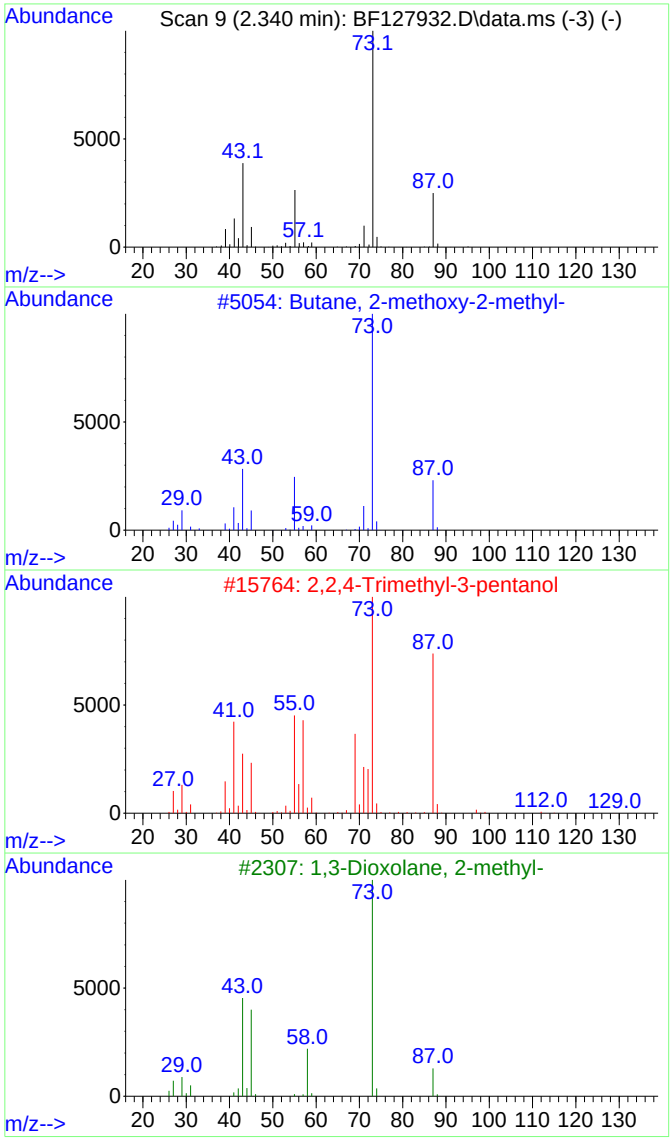
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

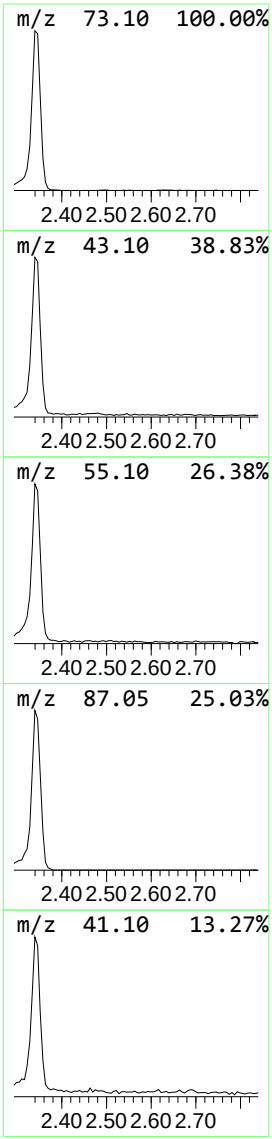
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.340	9.33 ng	398873	1,4-Dichlorobenzene-d4	6.940

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

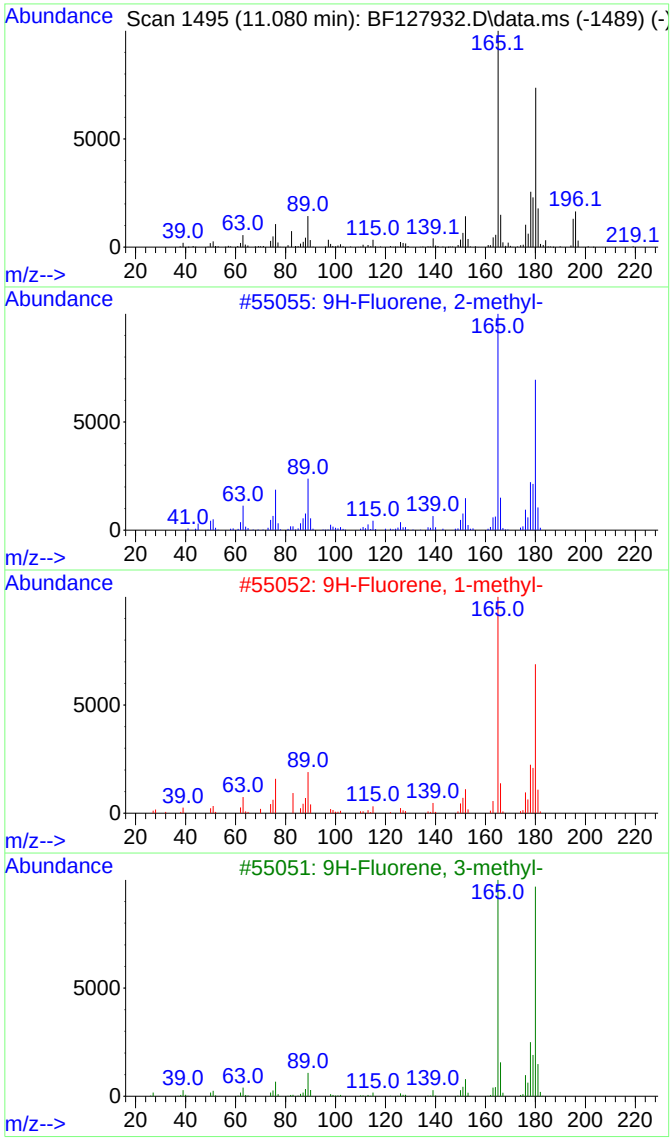
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

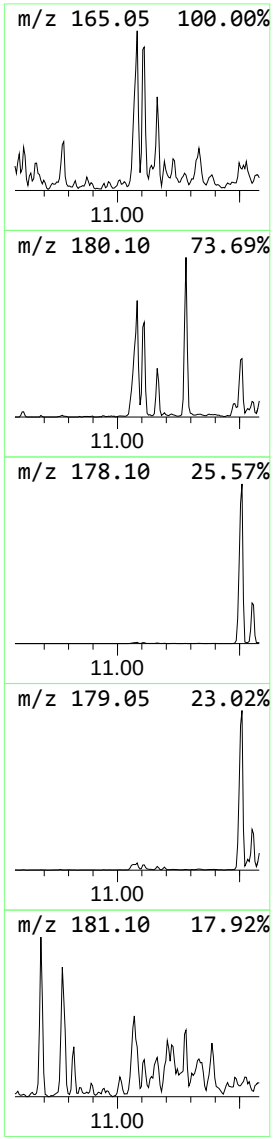
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.080	5.82 ng	341725	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

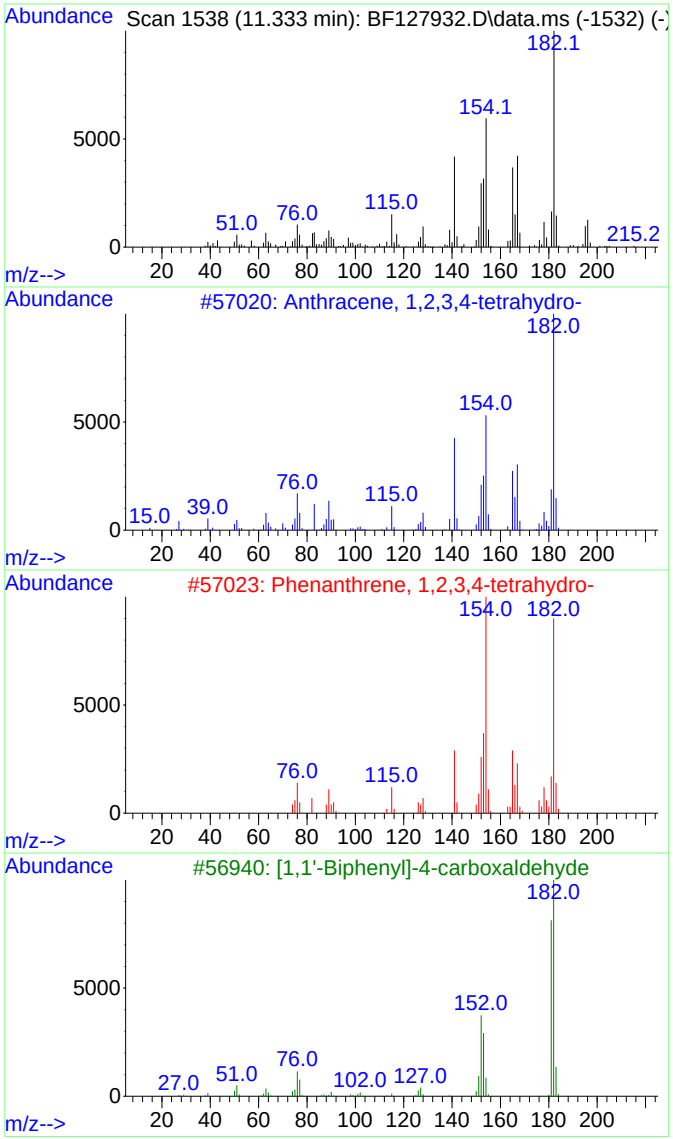
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

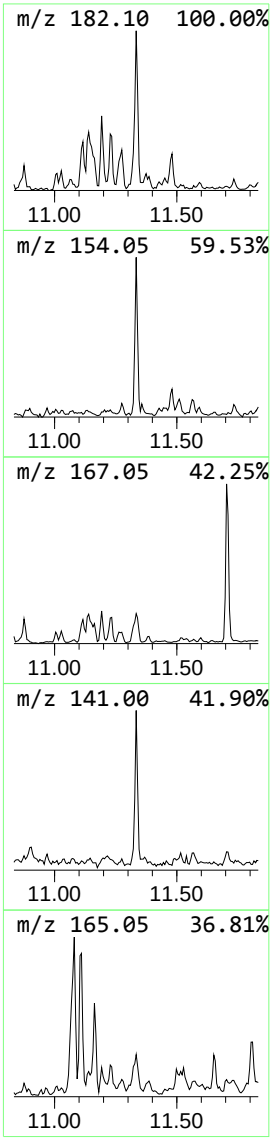
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.333	4.82 ng	282823	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	62
4	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

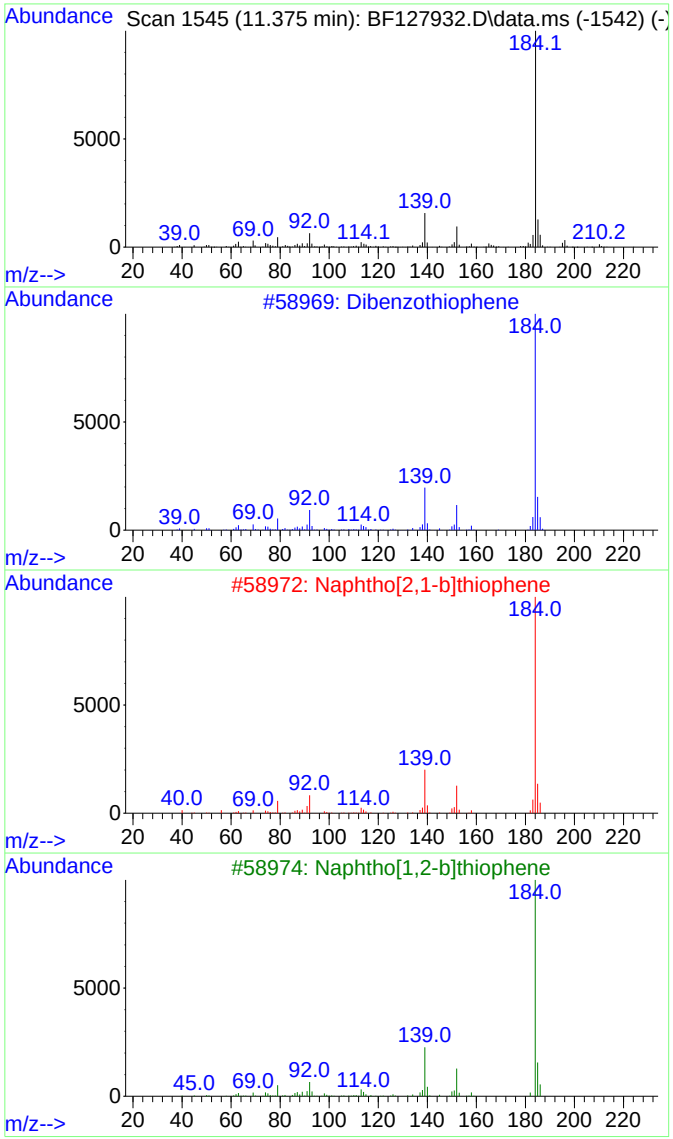
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

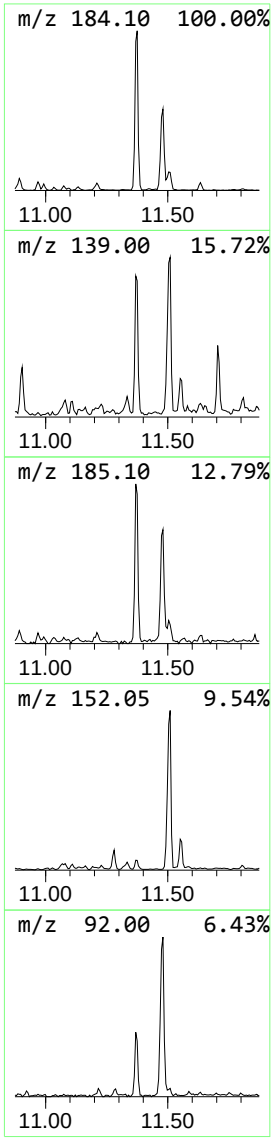
****

Peak Number 4 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.374	5.57 ng	326941	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

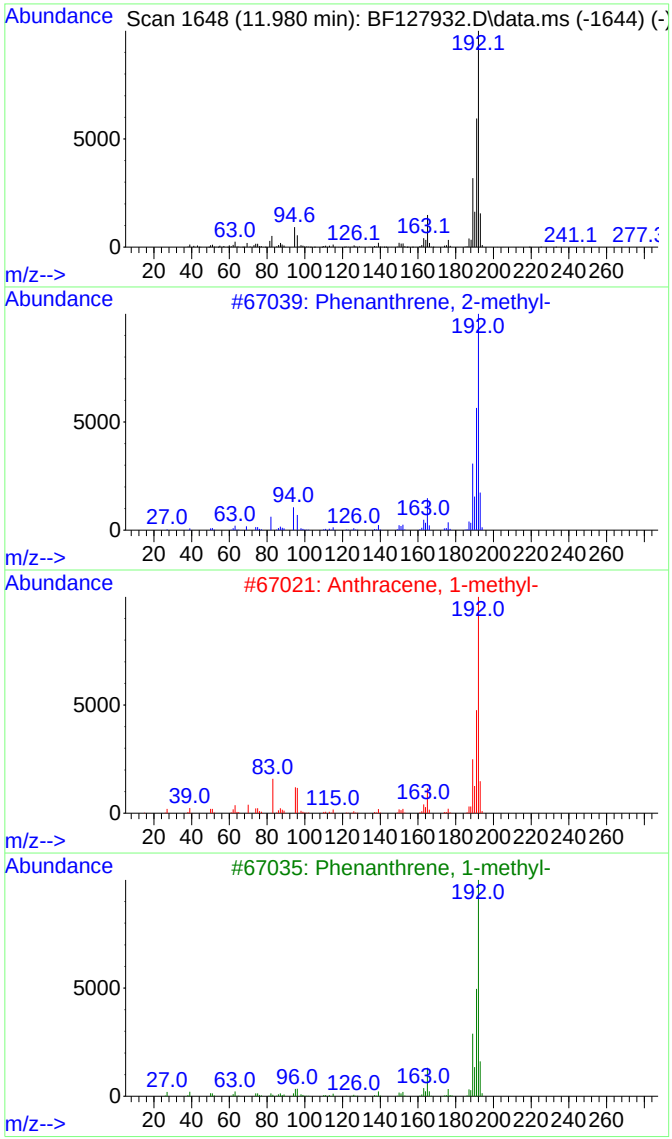
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

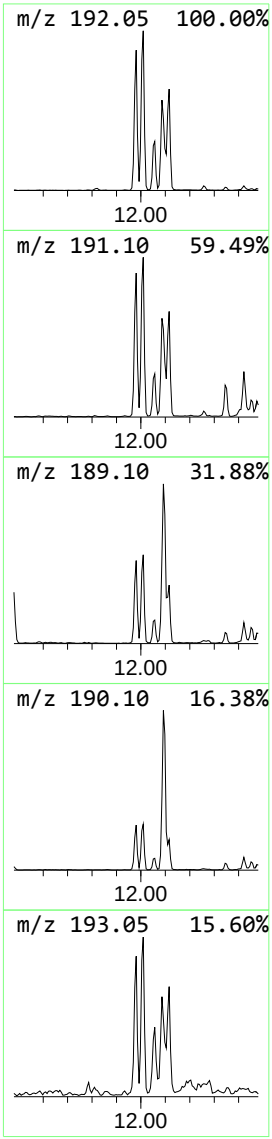
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	17.94 ng	1053890	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

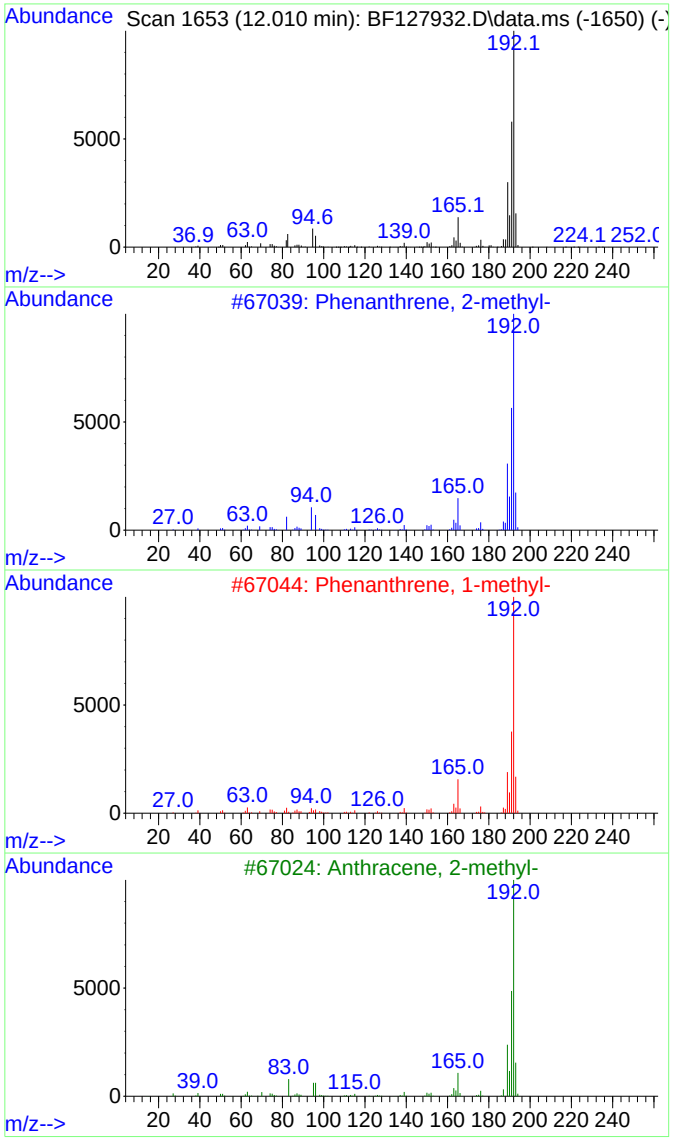
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

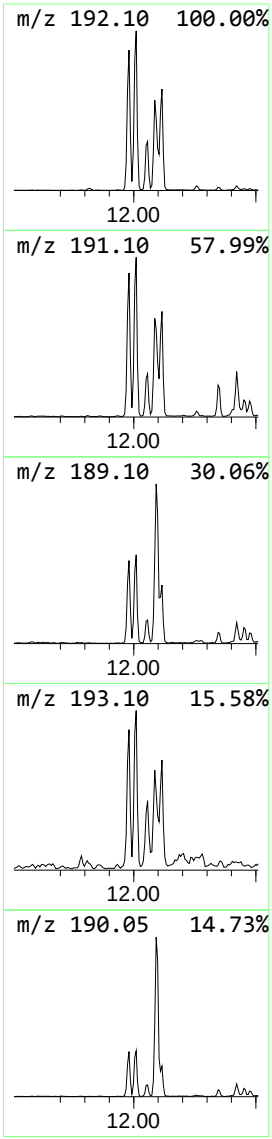
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	19.64 ng	1153530	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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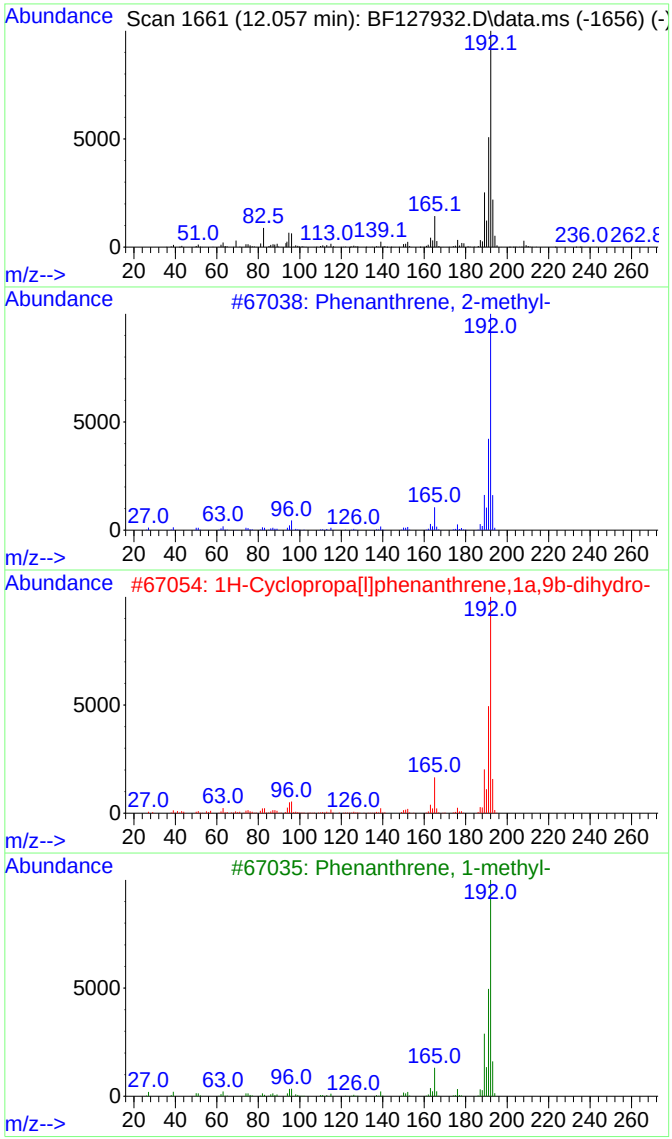
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

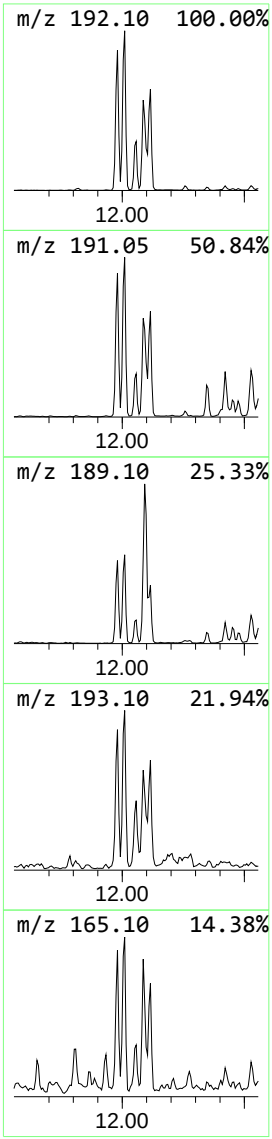
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	6.71 ng	394219	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

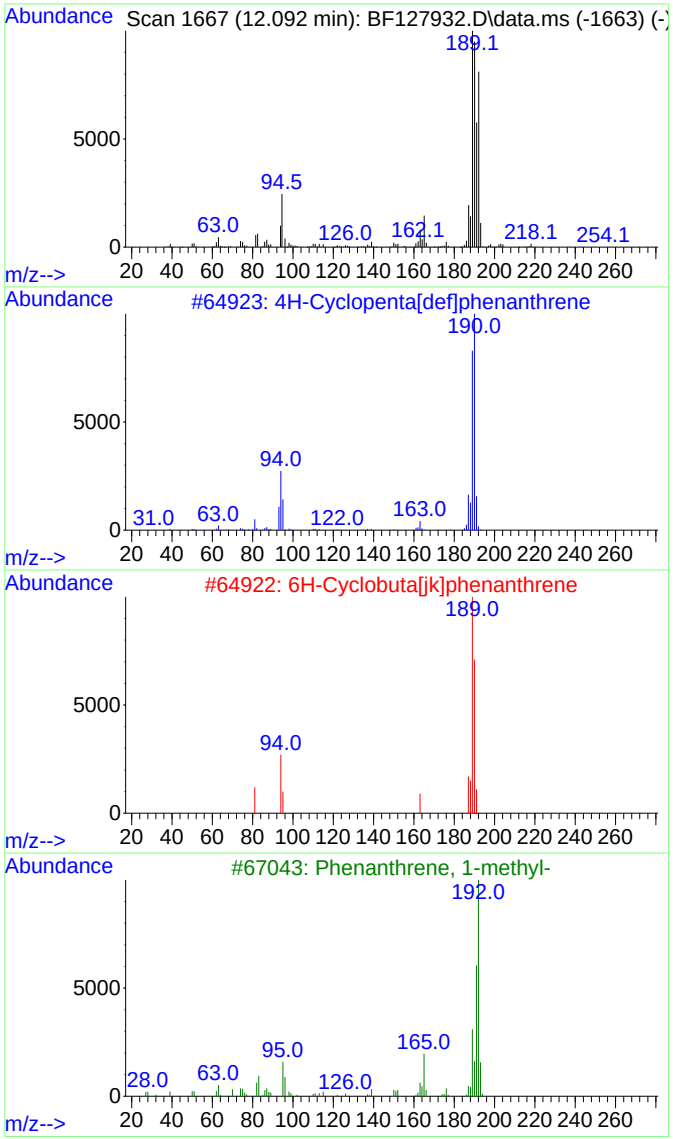
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

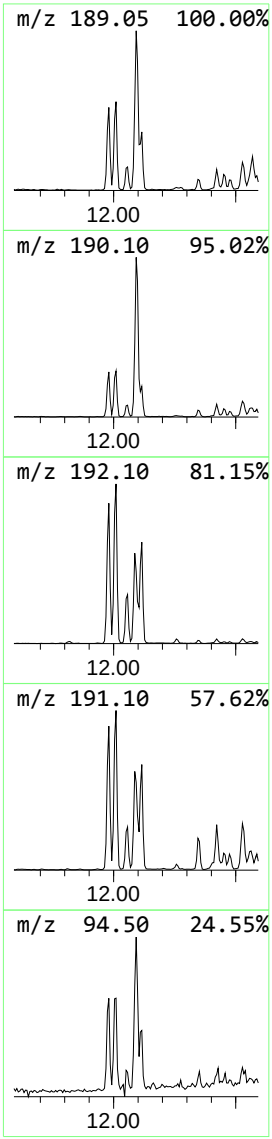
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	22.58 ng	1325990	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





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Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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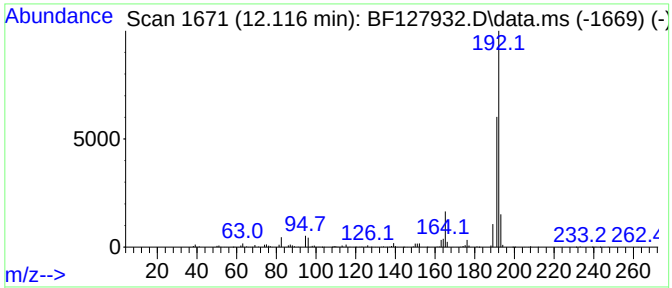
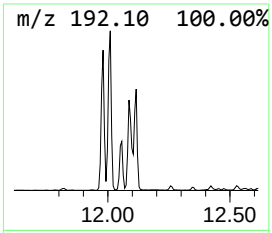
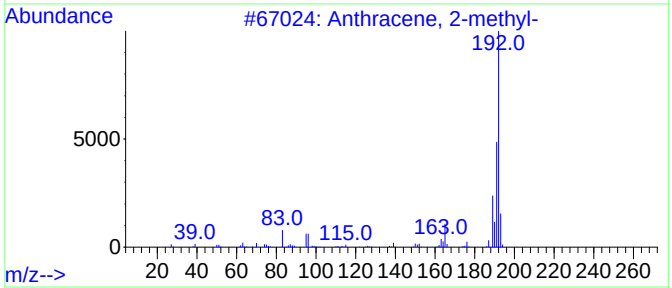
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 5

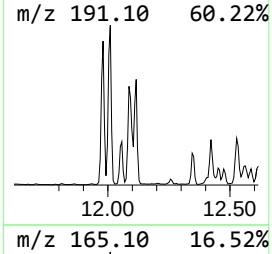
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	10.88 ng	638908	Phenanthrene-d10	11.480

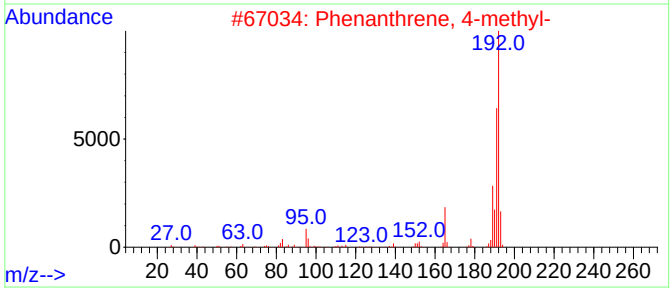
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87

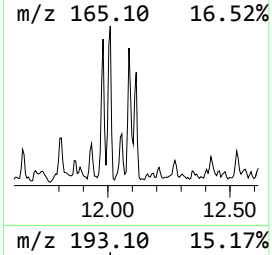


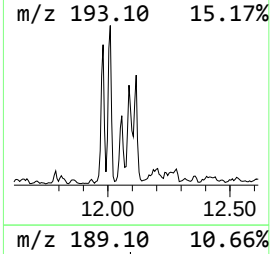


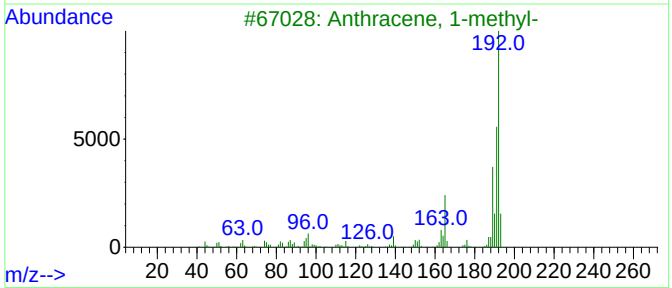


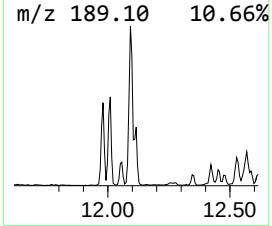












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Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

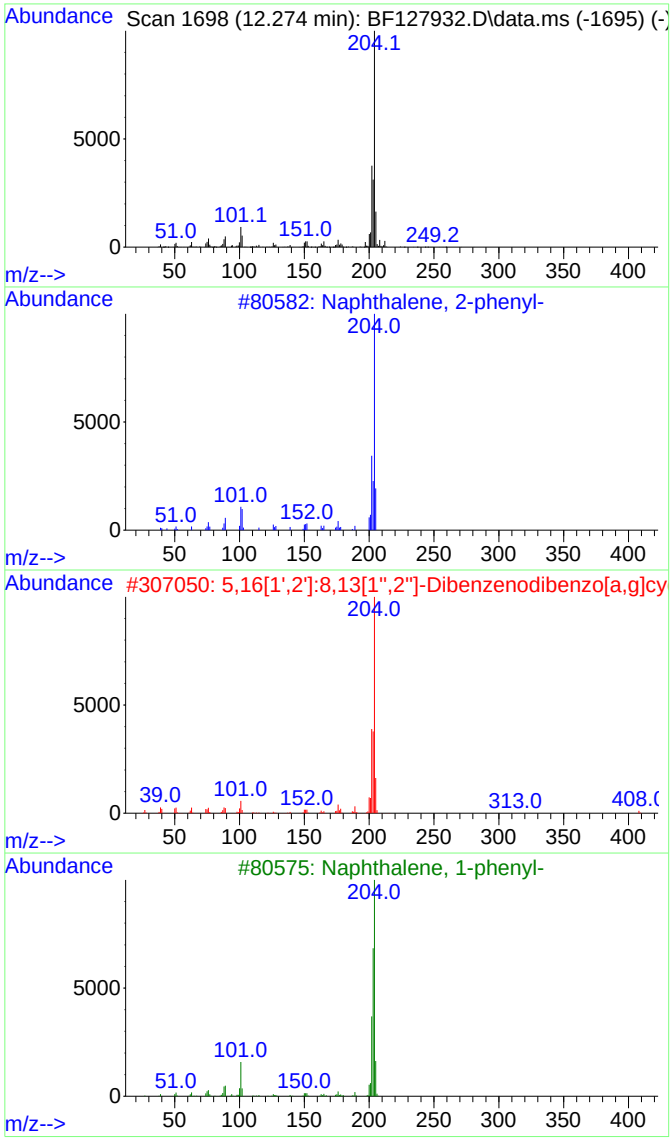
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

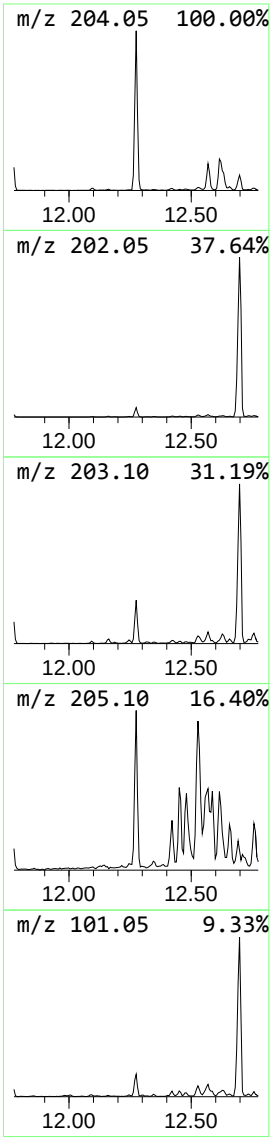
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.275	9.27 ng	544548	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60





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Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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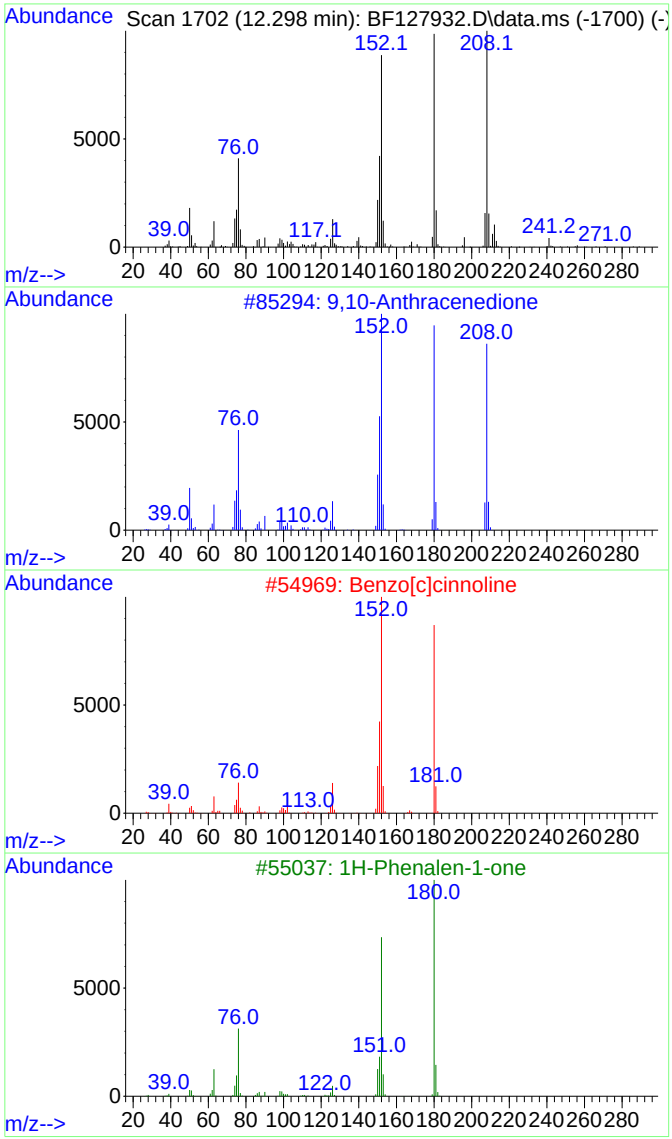
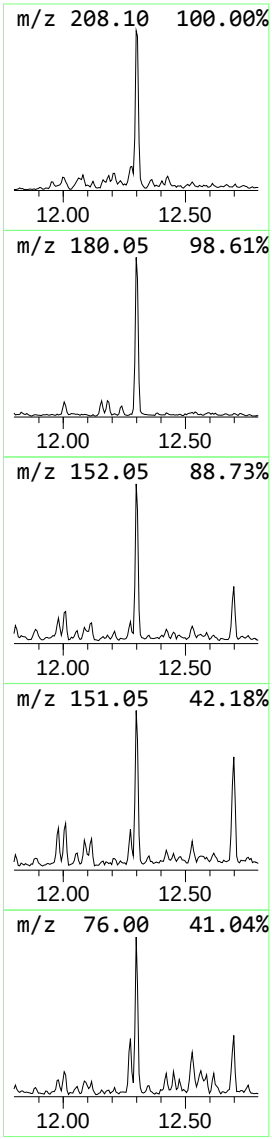
Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	6.51 ng	382560	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	55





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Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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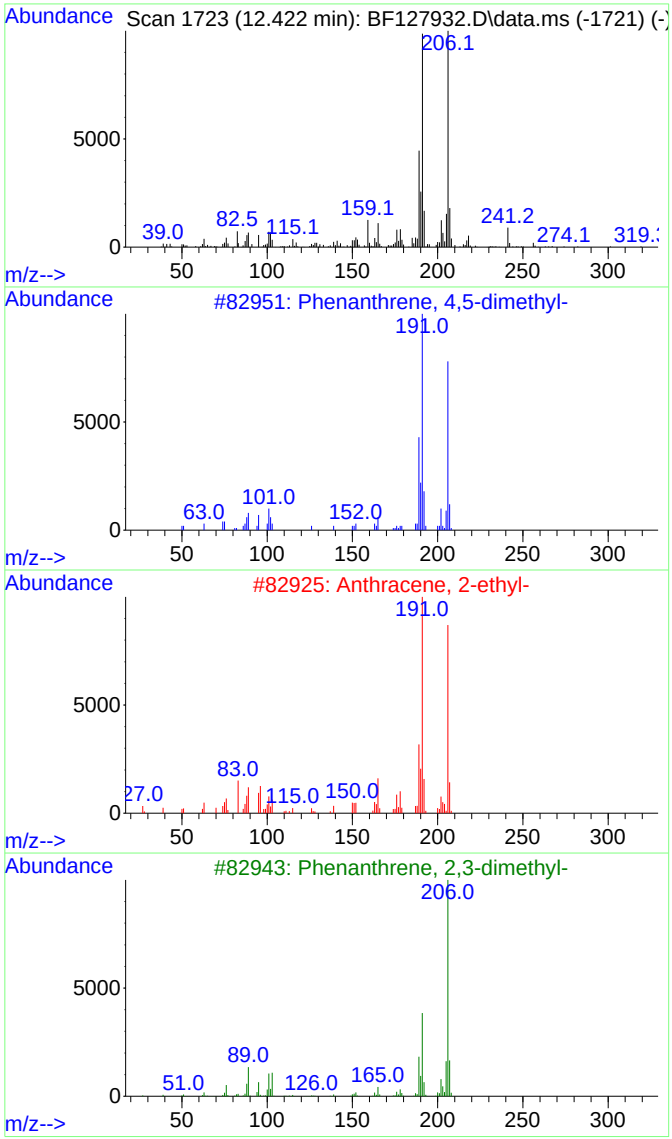
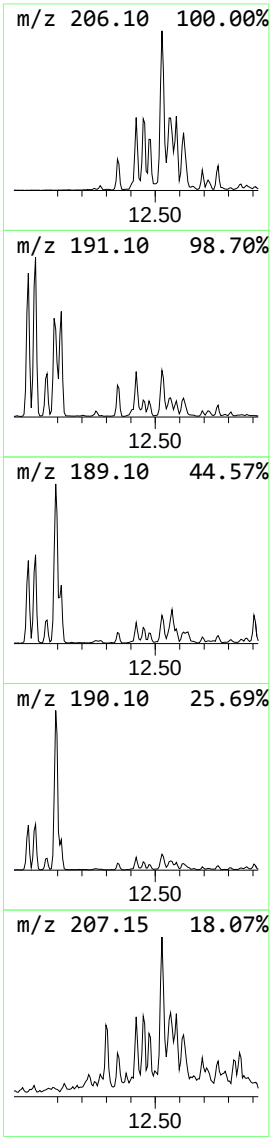
Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	4.99 ng	293115	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





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Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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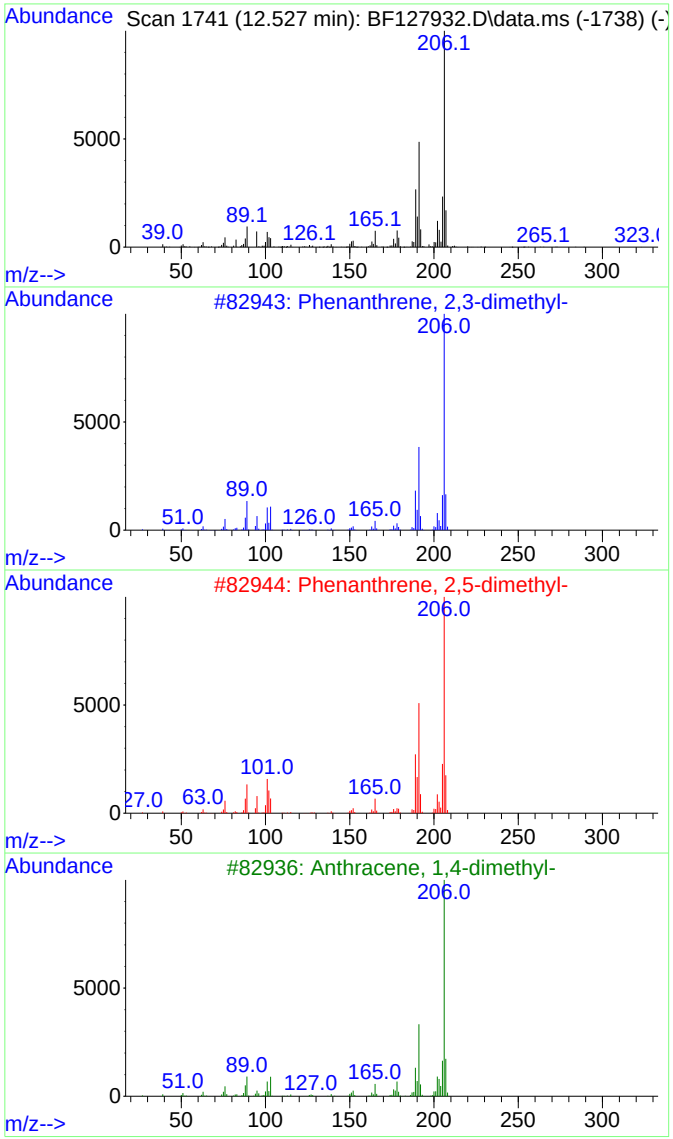
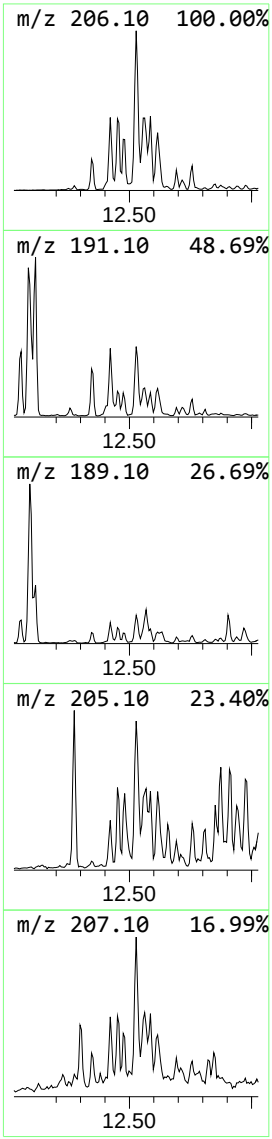
Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	9.48 ng	556745	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





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Sample : N2479-06
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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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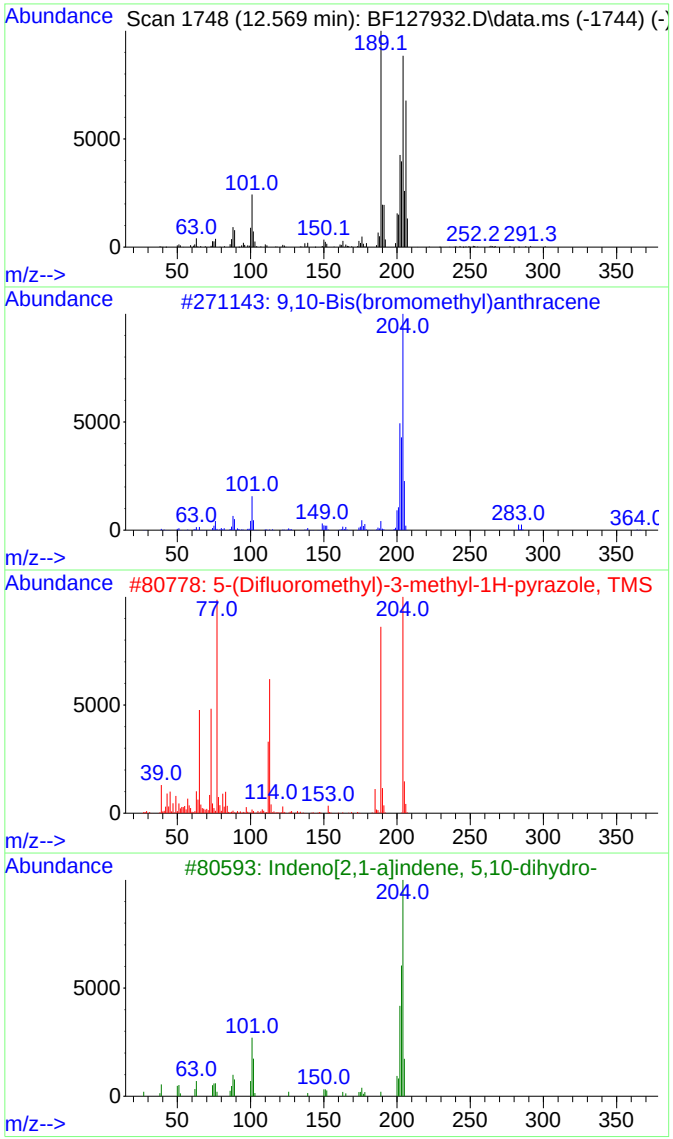
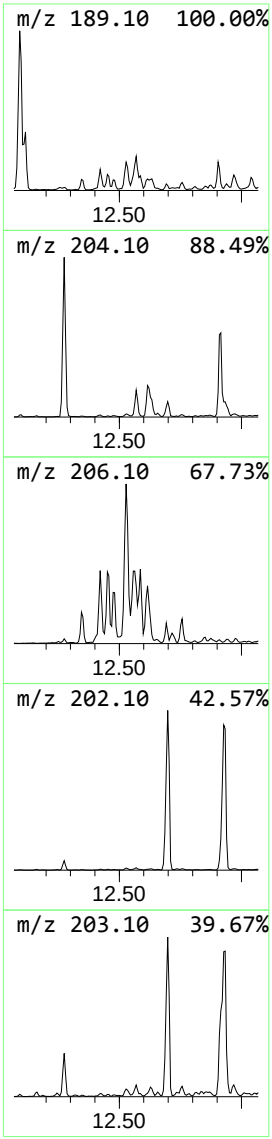
Peak Number 14 unknown12.569 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	7.29 ng	428147	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	45
2	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	43
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
5	4a,8-Dimethyl-2-(prop-1-en-2-yl)...	204	C15H24	103827-22-1	35





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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
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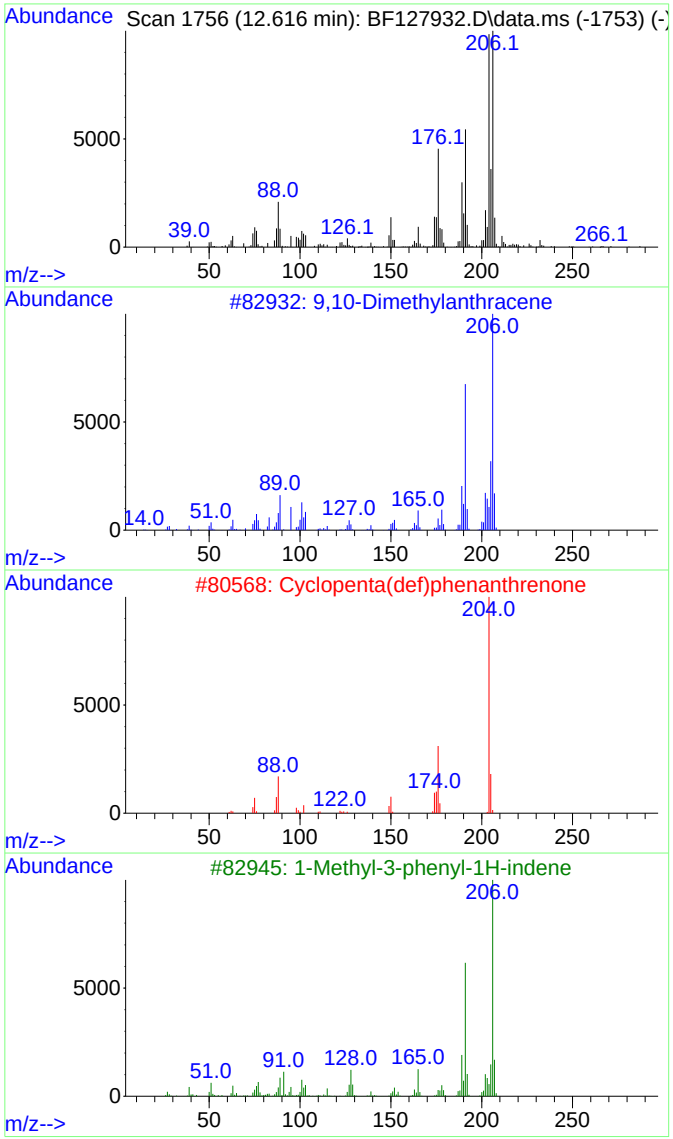
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

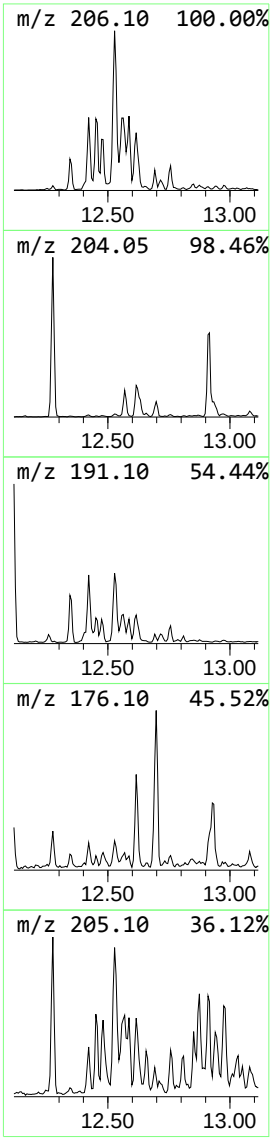
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.616	6.35 ng	373008	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	64
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	64
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55





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Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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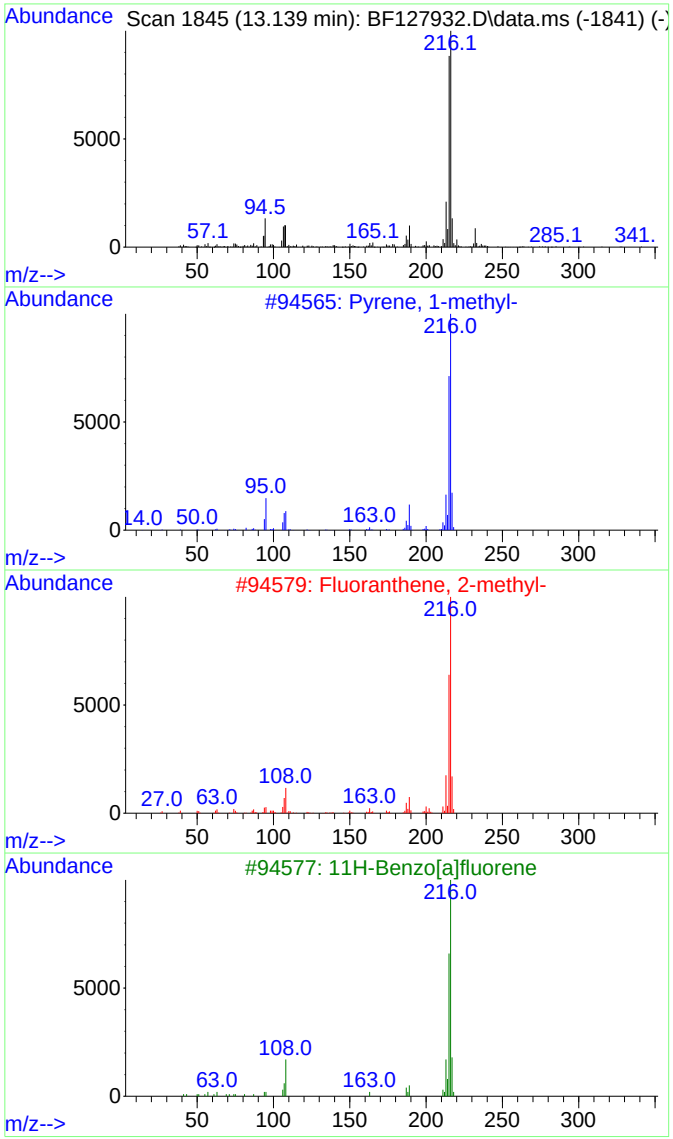
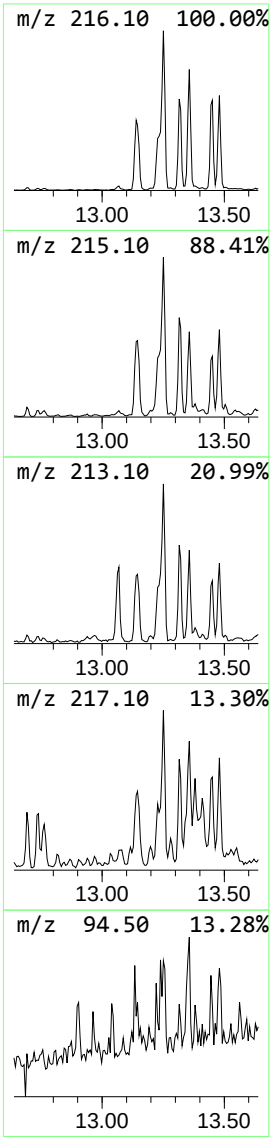
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.139	4.88 ng	540311	Chrysene-d12	14.127

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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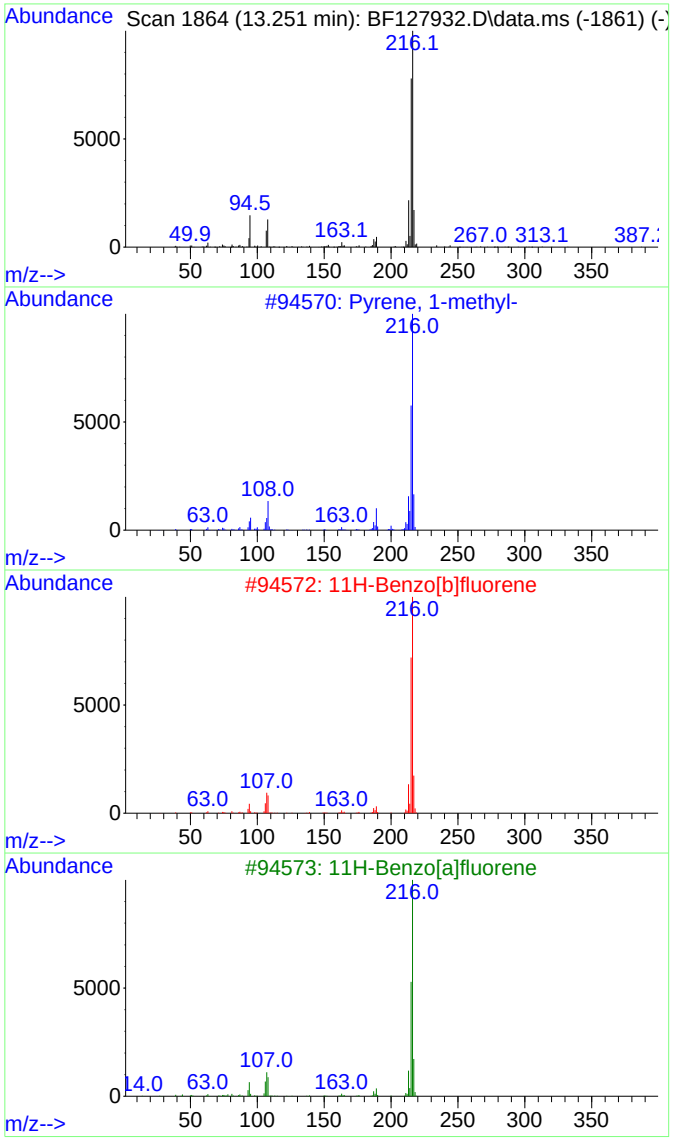
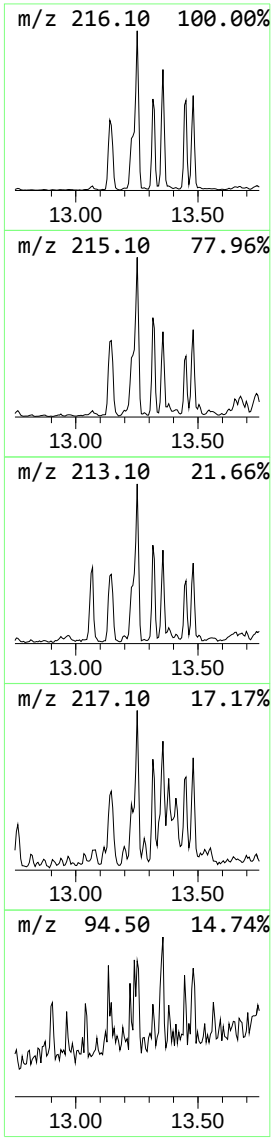
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	5.02 ng	555278	Chrysene-d12	14.127

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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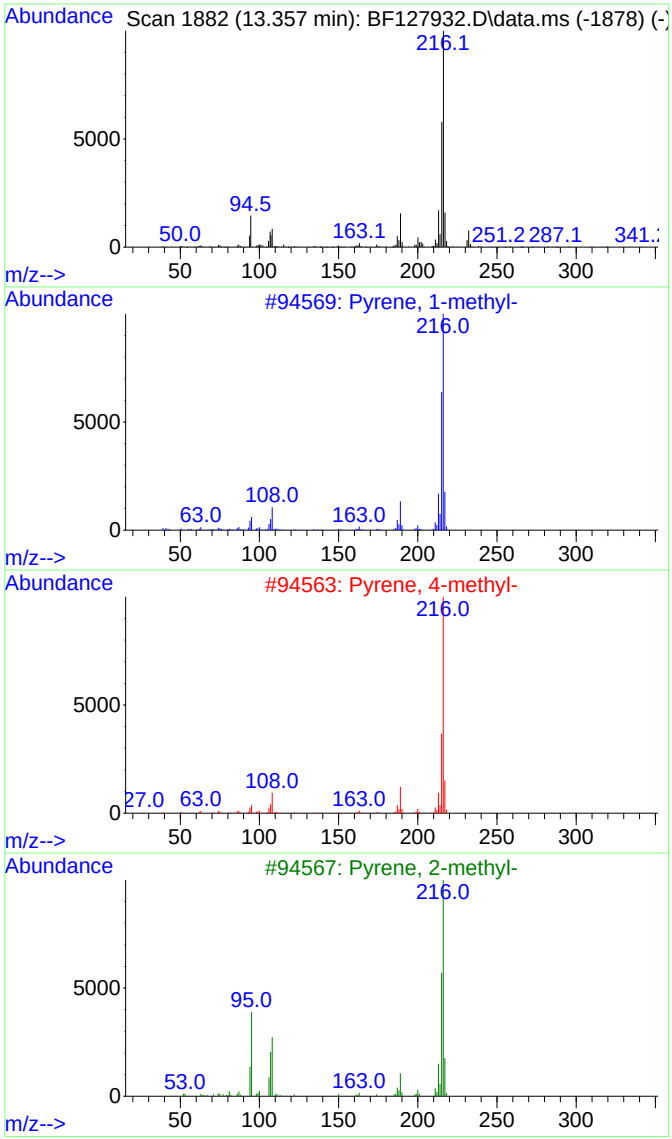
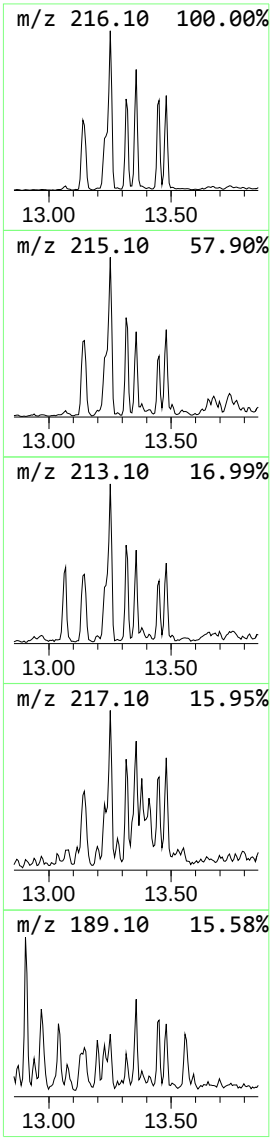
Peak Number 18 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.357	3.60 ng	398686	Chrysene-d12	14.127

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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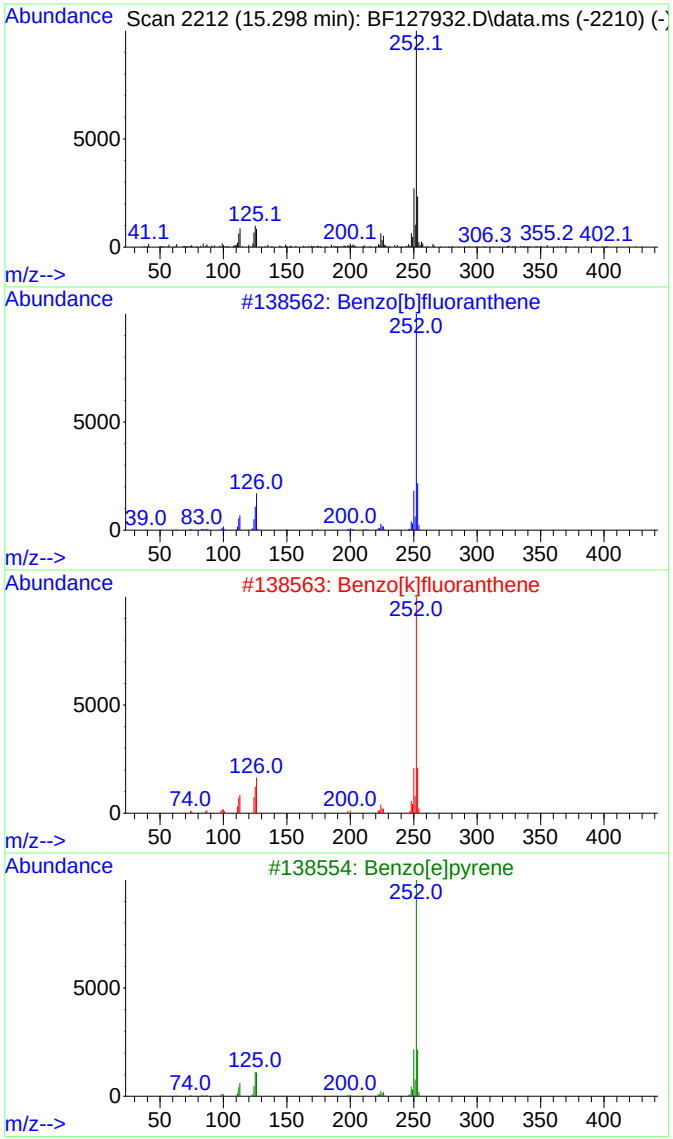
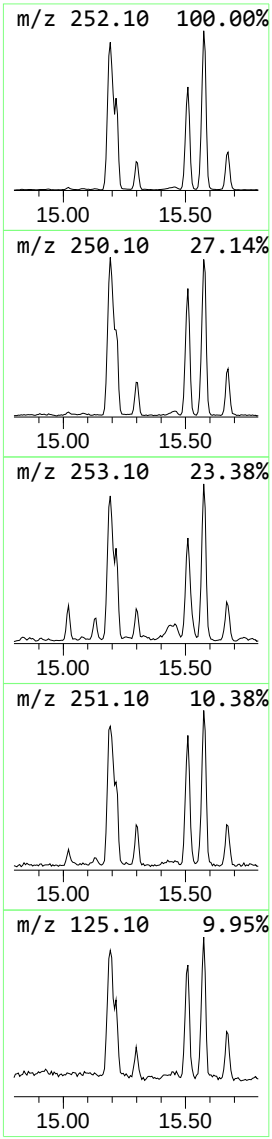
Peak Number 19 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	4.05 ng	161746	Perylene-d12	15.639

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[e]pyrene	252	C20H12	000192-97-2	89
4	Perylene	252	C20H12	000198-55-0	86
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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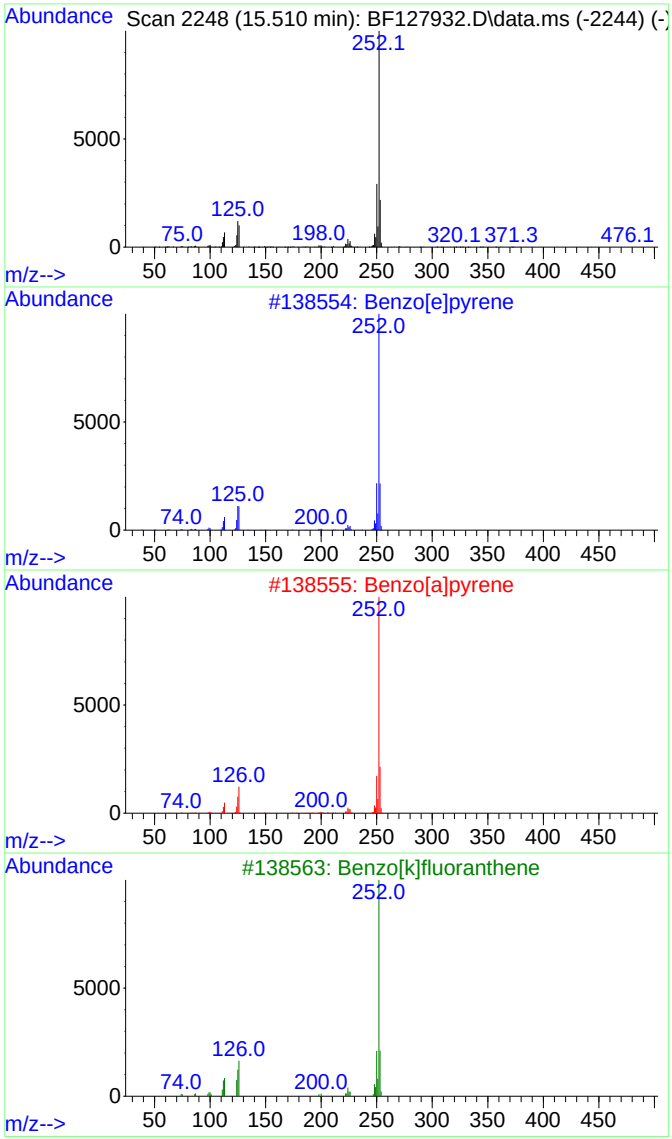
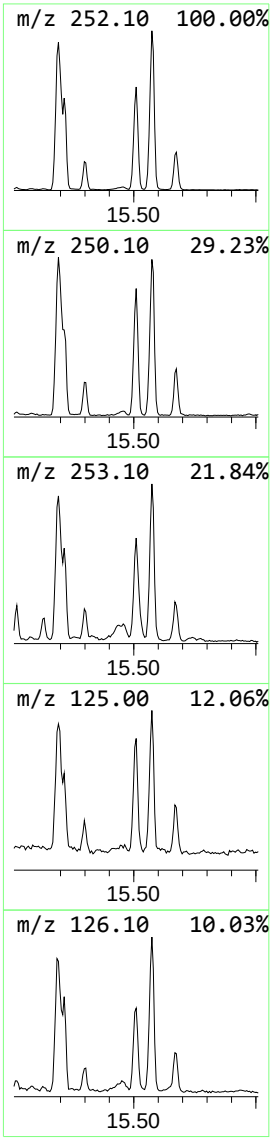
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.510	17.21 ng	686854	Perylene-d12	15.639

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
Operator : CG\JU
Sample : N2479-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.340	9.3	ng	398873	1	6.940	854920	20.0
9H-Fluorene, 2-...	11.080	5.8	ng	341725	4	11.480	1174590	20.0
Anthracene, 1,2...	11.333	4.8	ng	282823	4	11.480	1174590	20.0
Dibenzothiophene	11.374	5.6	ng	326941	4	11.480	1174590	20.0
Phenanthrene, 2...	11.980	17.9	ng	1053890	4	11.480	1174590	20.0
Phenanthrene, 1...	12.010	19.6	ng	1153530	4	11.480	1174590	20.0
1H-Cyclopropa[l...	12.057	6.7	ng	394219	4	11.480	1174590	20.0
4H-Cyclopenta[d...	12.092	22.6	ng	1325990	4	11.480	1174590	20.0
Anthracene, 2-m...	12.116	10.9	ng	638908	4	11.480	1174590	20.0
Naphthalene, 2-...	12.275	9.3	ng	544548	4	11.480	1174590	20.0
9,10-Anthracene...	12.298	6.5	ng	382560	4	11.480	1174590	20.0
Phenanthrene, 4...	12.422	5.0	ng	293115	4	11.480	1174590	20.0
Phenanthrene, 2...	12.527	9.5	ng	556745	4	11.480	1174590	20.0
unknown12.569	12.569	7.3	ng	428147	4	11.480	1174590	20.0
9,10-Dimethylan...	12.616	6.3	ng	373008	4	11.480	1174590	20.0
Pyrene, 1-methyl-	13.139	4.9	ng	540311	5	14.127	2213220	20.0
11H-Benzo[b]flu...	13.251	5.0	ng	555278	5	14.127	2213220	20.0
Pyrene, 4-methyl-	13.357	3.6	ng	398686	5	14.127	2213220	20.0
Benzo[e]pyrene	15.298	4.0	ng	161746	6	15.639	798190	20.0
Benzo[j]fluoran...	15.510	17.2	ng	686854	6	15.639	798190	20.0