LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123473.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.181	11	16	22	rVB	562295	668448	15.74%	0.989%
2	2.293	30	35	43	rVB	92615	120901	2.85%	0.179%
3	5.110	510	514	519	rVB	106908	120044	2.83%	0.178%
4	5.510	575	582	585	rBV	2829717	2447801	57.64%	3.622%
5	6.516	748	753	761	rBV	2842836	2508902	59.08%	3.712%
6	6.898	814	818	822	rBV	1874271	1471444	34.65%	2.177%
7	7.457	904	913	916	rBV	1904217	1596491	37.59%	2.362%
8	8.186	1032	1037	1039	rBV	2260507	2011306	47.36%	2.976%
9	8.204	1039	1040	1043	rVB	986972	681942	16.06%	1.009%
10	8.898	1155	1158	1161	rVB	789466	584110	13.75%	0.864%
11	8.998	1171	1175	1178	rVB	721954	562178	13.24%	0.832%
12	9.263	1216	1220	1223	rVV	2366649	2096794	49.38%	3.102%
13	9.363	1231	1237	1239	rBV2	143586	200076	4.71%	0.296%
14	9.457	1251	1253	1258	rVB	177758	171337	4.03%	0.254%
15	9.527	1261	1265	1269	rVV	228984	310097	7.30%	0.459%
16	9.598	1274	1277	1280	rBV	460786	434562	10.23%	0.643%
17	9.627	1280	1282	1284	rVB	281323	203704	4.80%	0.301%
18	9.651	1284	1286	1291	rVB2	190781	199336	4.69%	0.295%
19	9.716	1295	1297	1299	rBV	261777	204520	4.82%	0.303%
20	9.804	1309	1312	1316	rVB	210176	205373	4.84%	0.304%
21	9.945	1330	1336	1339	rBV	2285180	2031080	47.83%	3.005%
22	9.975	1339	1341	1344	rVV	925390	733577	17.27%	1.085%
23	10.045	1350	1353	1357	rBV	107903	139572	3.29%	0.207%
24	10.098	1358	1362	1366	rVV2	133160	169241	3.99%	0.250%
25	10.145	1366	1370	1373	rVB	503524	418745	9.86%	0.620%
26	10.186	1373	1377	1379	rBV	158059	122567	2.89%	0.181%
27	10.263	1386	1390	1392	rBV	162758	173746	4.09%	0.257%
28	10.286	1392	1394	1397	rVV	179551	174544	4.11%	0.258%
29	10.351	1401	1405	1411	rVB4	160015	287409	6.77%	0.425%
30	10.492	1425	1429	1434	rBV	771038	668879	15.75%	0.990%
31	10.539	1434	1437	1439	rBV2	133139	147278	3.47%	0.218%
32	10.557	1439	1440	1442	rVV	201677	132047	3.11%	0.195%
33	10.580	1442	1444	1446	rVV	222899	170882	4.02%	0.253%
34	10.651	1453	1456	1460	rVB	226207	271490	6.39%	0.402%
35	10.727	1465	1469	1473	rBV	1606404	1456214	34.29%	2.155%
36	10.857	1486	1491	1498	rVB6	167780	275119	6.48%	0.407%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.039	1515	1522	1525	rBV4	211738	350867	8.26%	0.519%
38	11.069	1525	1527	1530	rVV2	214141	194288	4.58%	0.287%
39	11.127	1534	1537	1539	rVB	125777	125719	2.96%	0.186%
40	11.169	1539	1544	1546	rBV3	115112	188442	4.44%	0.279%
41	11.192	1546	1548	1552	rVV3	172071	184051	4.33%	0.272%
42	11.233	1552	1555	1559	rVV	354325	317428	7.47%	0.470%
43	11.292	1560	1565	1569	rVV5	176912	331791	7.81%	0.491%
44	11.327	1569	1571	1577	rVB	388009	363684	8.56%	0.538%
45	11.433	1585	1589	1591	rBV	1726864	1605591	37.81%	2.376%
46	11.463	1591	1594	1597	rVV	5033359	4246639	100.00%	6.283%
47	11.510	1599	1602	1605	rVV	777942	628872	14.81%	0.930%
48	11.539	1605	1607	1611	rVV2	186981	165051	3.89%	0.244%
49	11.657	1622	1627	1630	rBV2	383584	450304	10.60%	0.666%
50	11.763	1642	1645	1648	rBV	219390	166721	3.93%	0.247%
51	11.939	1671	1675	1677	rVV	989528	876348	20.64%	1.297%
52	11.963	1677	1679	1683	rVB	1164500	1061589	25.00%	1.571%
53	12.010	1684	1687	1690	rBV	280854	277443	6.53%	0.411%
54	12.051	1690	1694	1696	rVV2	1127824	1258850	29.64%	1.863%
55	12.069	1696	1697	1702	rVB	682410	518037	12.20%	0.766%
56	12.233	1722	1725	1727	rBV	525239	473772	11.16%	0.701%
57	12.257	1727	1729	1733	rVB	749933	600912	14.15%	0.889%
58	12.386	1748	1751	1753	rVB	194296	161855	3.81%	0.239%
59	12.416	1753	1756	1758	rBV2	186075	142580	3.36%	0.211%
60	12.439	1758	1760	1763	rVB	164674	138283	3.26%	0.205%
61	12.492	1765	1769	1772	rBV	496908	527134	12.41%	0.780%
62	12.527	1772	1775	1778	rVV2	312150	378782	8.92%	0.560%
63	12.574	1781	1783	1789	rBV2	295440	343888	8.10%	0.509%
64	12.657	1794	1797	1800	rVB	4191259	3534585	83.23%	5.230%
65	12.716	1805	1807	1810	rVB3	138250	116765	2.75%	0.173%
66	12.780	1814	1818	1820	rBV2	246536	264493	6.23%	0.391%
67	12.886	1829	1836	1841	rBV2	3464927	4026377	94.81%	5.957%
68	12.927	1841	1843	1848	rVB2	258735	315469	7.43%	0.467%
69	12.998	1852	1855	1856	rBV	325613	253177	5.96%	0.375%
70	13.021	1856	1859	1866	rVB	1794243	1690130	39.80%	2.501%
71	13.098	1867	1872	1875	rBV3	374258	612725	14.43%	0.907%
72	13.186	1884	1887	1888	rVV2	232244	232684	5.48%	0.344%
73	13.210	1888	1891	1894	rVB	703316	662327	15.60%	0.980%
74	13.274	1899	1902	1905	rVB	428927	336930	7.93%	0.499%
75	13.315	1905	1909	1911	rBV2	537458	568903	13.40%	0.842%
76	13.339	1911	1913	1916	rVB2	152886	142124	3.35%	0.210%

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.404	1922	1924	1927	rVB	280873	226284	5.33%	0.335%
78	13.433	1927	1929	1933	rBV	269291	281225	6.62%	0.416%
79	13.510	1939	1942	1947	rVB4	81690	123822	2.92%	0.183%
80	13.715	1974	1977	1982	rVB	404781	428750	10.10%	0.634%
81	13.833	1992	1997	1999	rBV2	269512	453823	10.69%	0.671%
82	13.857	1999	2001	2003	rVV	408394	338147	7.96%	0.500%
83	13.886	2003	2006	2009	rVV3	231525	359448	8.46%	0.532%
84	13.921	2009	2012	2021	rVB2	387432	512426	12.07%	0.758%
85	14.074	2034	2038	2042	rBV3	2077727	3079058	72.51%	4.556%
86	14.110	2042	2044	2050	rVB	1895611	1597512	37.62%	2.364%
87	14.186	2055	2057	2060	rBV	138982	113802	2.68%	0.168%
88	14.304	2073	2077	2081	rBV2	175900	238950	5.63%	0.354%
89	14.433	2097	2099	2101	rBV	125531	115062	2.71%	0.170%
90	14.468	2102	2105	2108	rVV	444166	465732	10.97%	0.689%
91	14.504	2108	2111	2114	rVB2	321267	274573	6.47%	0.406%
92	14.598	2124	2127	2129	rBV	177318	198700	4.68%	0.294%
93	15.145	2215	2220	2223	rBV	952129	1651108	38.88%	2.443%
94	15.251	2235	2238	2241	rVB	188556	190599	4.49%	0.282%
95	15.451	2268	2272	2279	rVB	504368	707598	16.66%	1.047%
96	15.515	2279	2283	2289	rVV	835777	1018063	23.97%	1.506%
97	15.580	2290	2294	2297	rVV	806194	1040101	24.49%	1.539%
98	15.615	2297	2300	2308	rVB2	210896	348743	8.21%	0.516%
99	17.092	2546	2551	2558	rVB2	251121	522583	12.31%	0.773%
100	17.545	2623	2628	2633	rVB	155712	293085	6.90%	0.434%

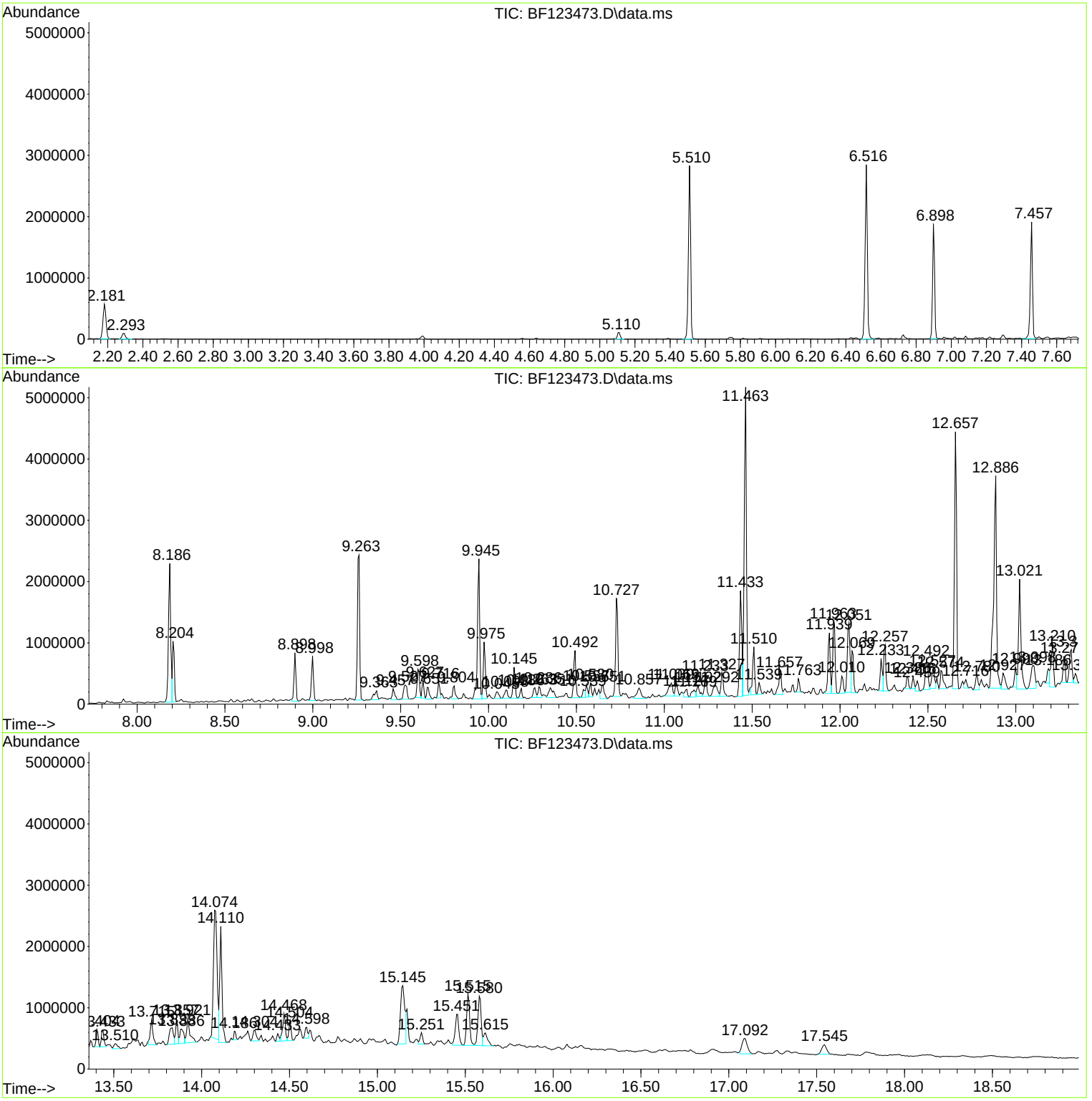
Sum of corrected areas: 67586560

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123473.D
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Misc :
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Instrument : BNA_F
ClientSampleId : TP-8A

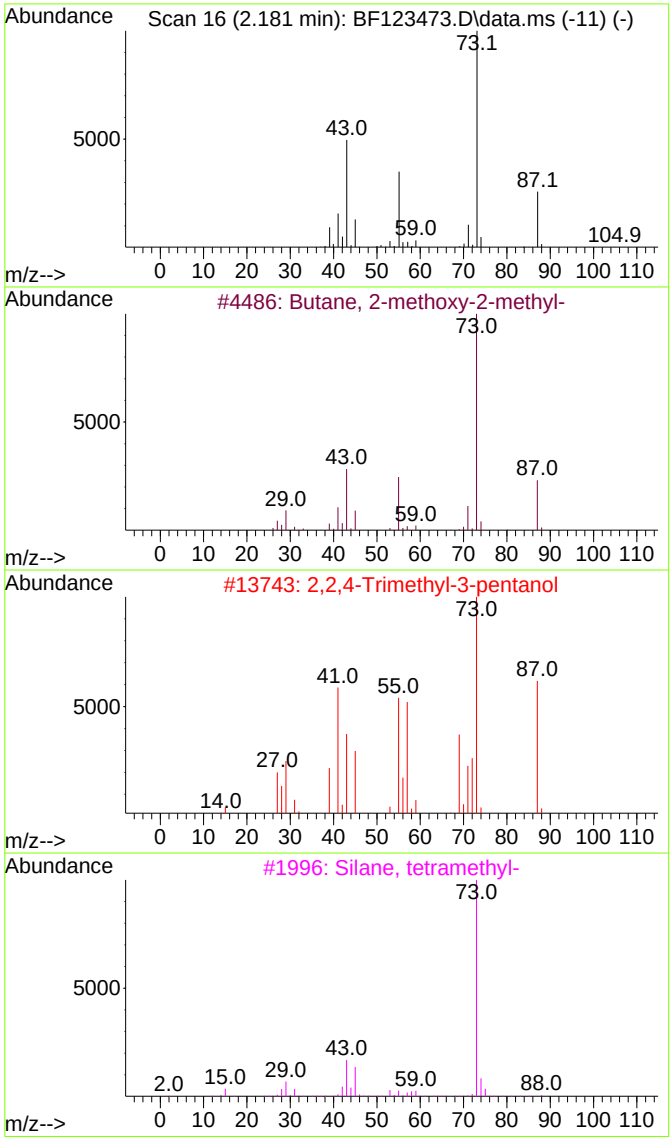
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

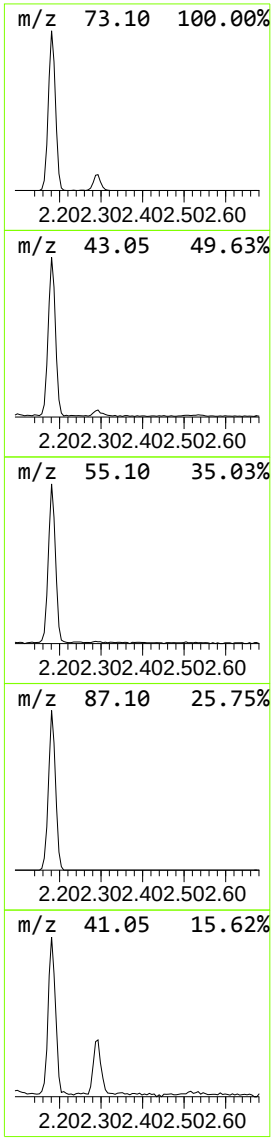
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.181	9.09 ng	668448	1,4-Dichlorobenzene-d4	6.898

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	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

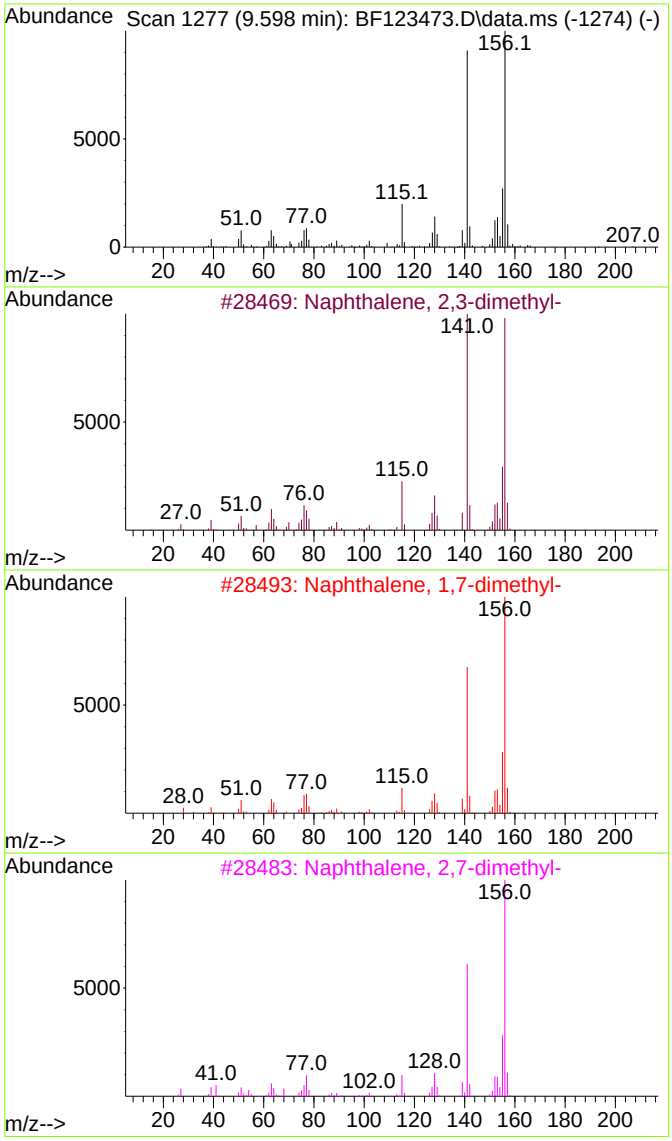
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

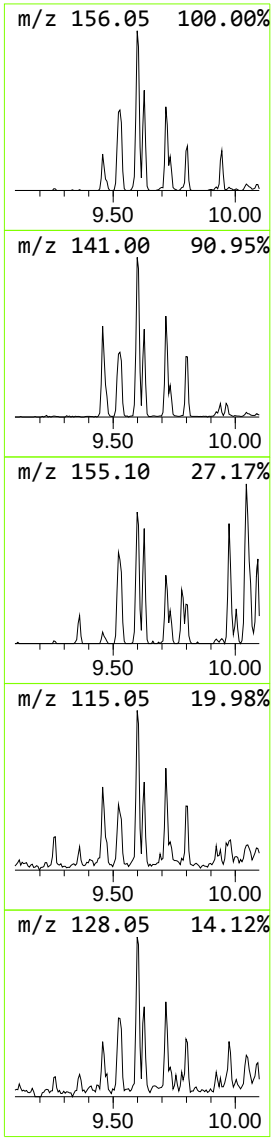
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.598	4.28 ng	434562	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
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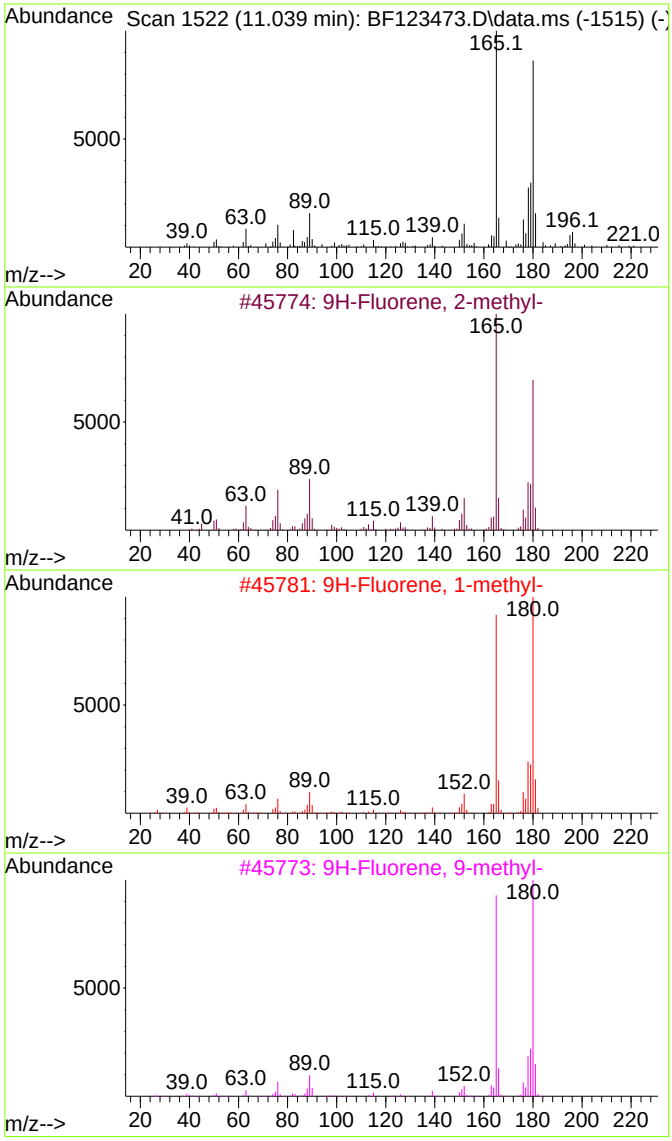
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

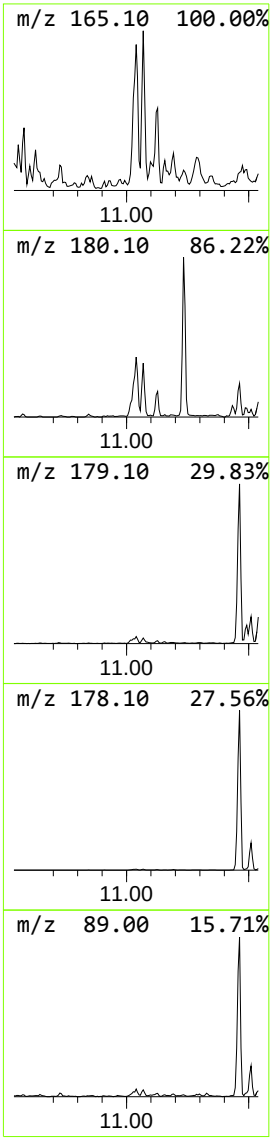
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.039	4.37 ng	350867	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

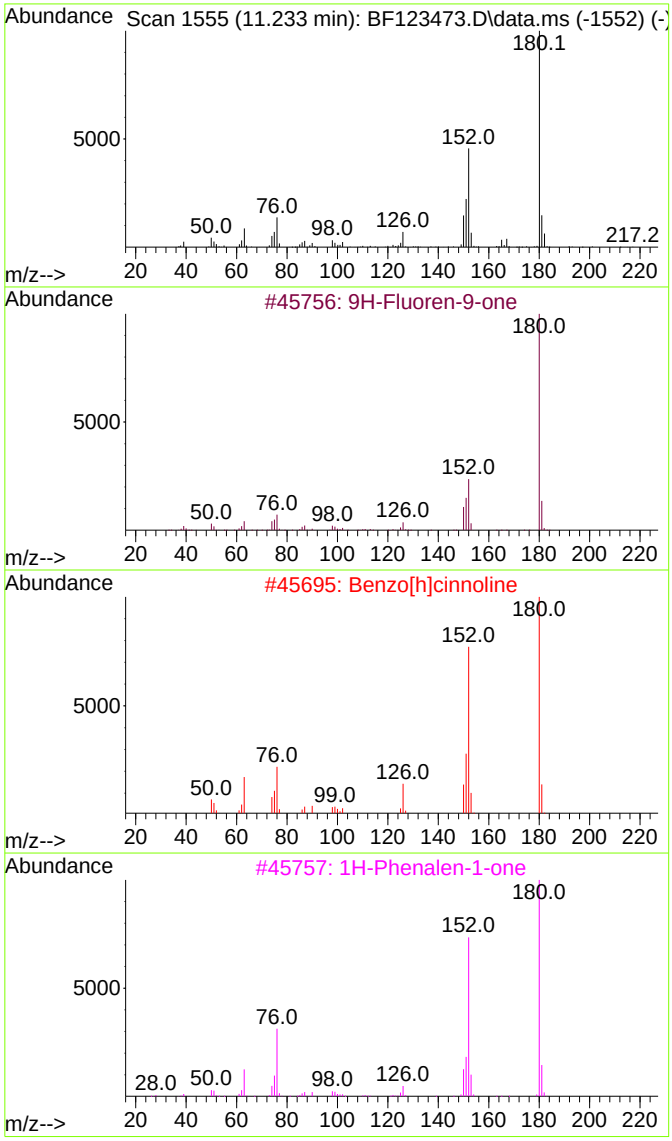
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

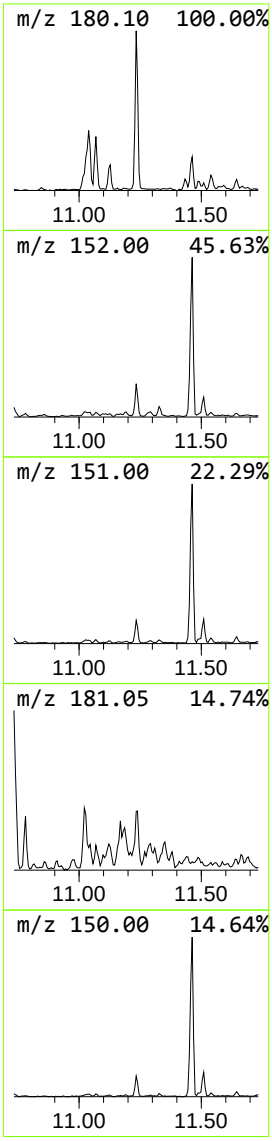
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	3.95 ng	317428	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
4	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	50
5	Thieno[3,2-c]pyridine, 3-nitro-	180	C7H4N2O2S	028783-05-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

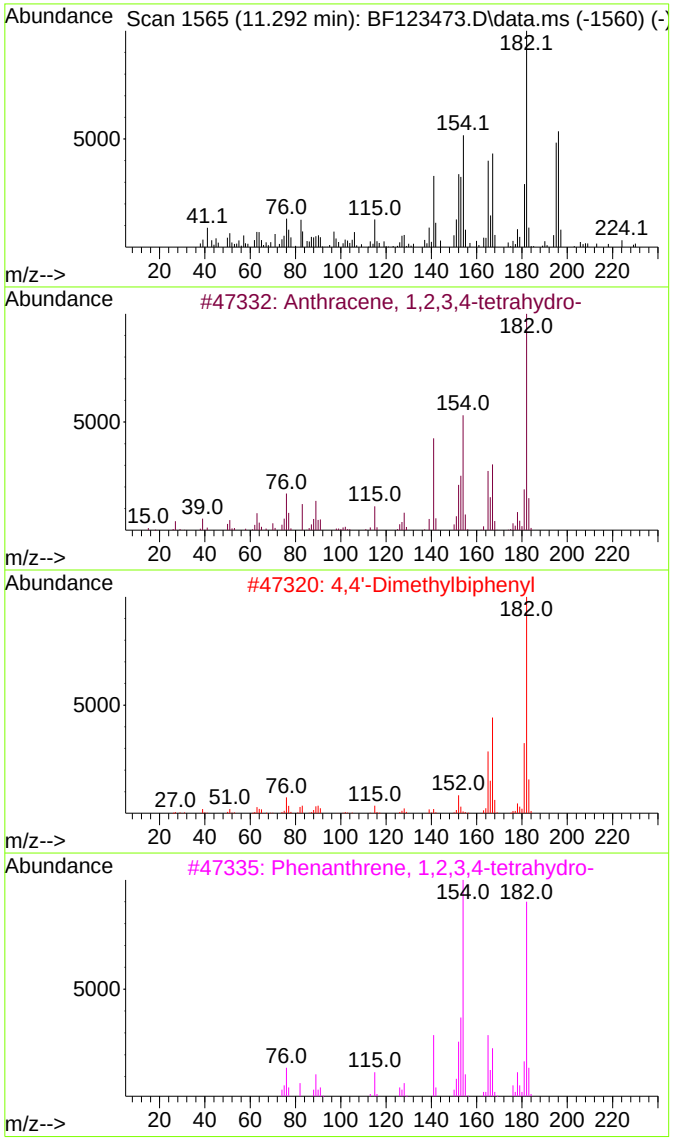
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

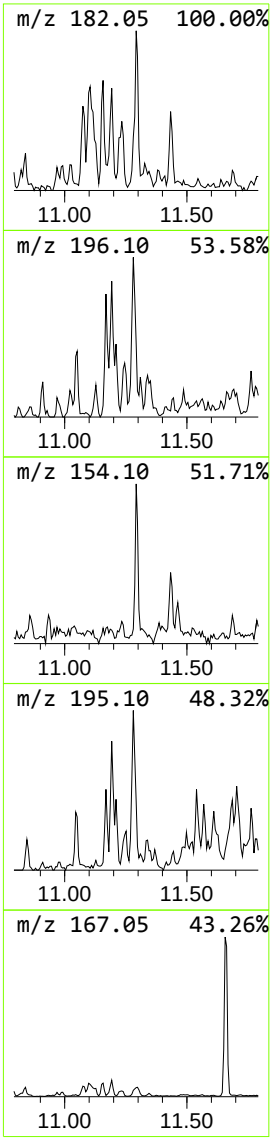
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	4.13 ng	331791	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	53
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	43
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	43
5	3-Ethyl-1,2-dihydro-6-methyl-5-n...	182	C8H10N2O3	1000241-09-2	35





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Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

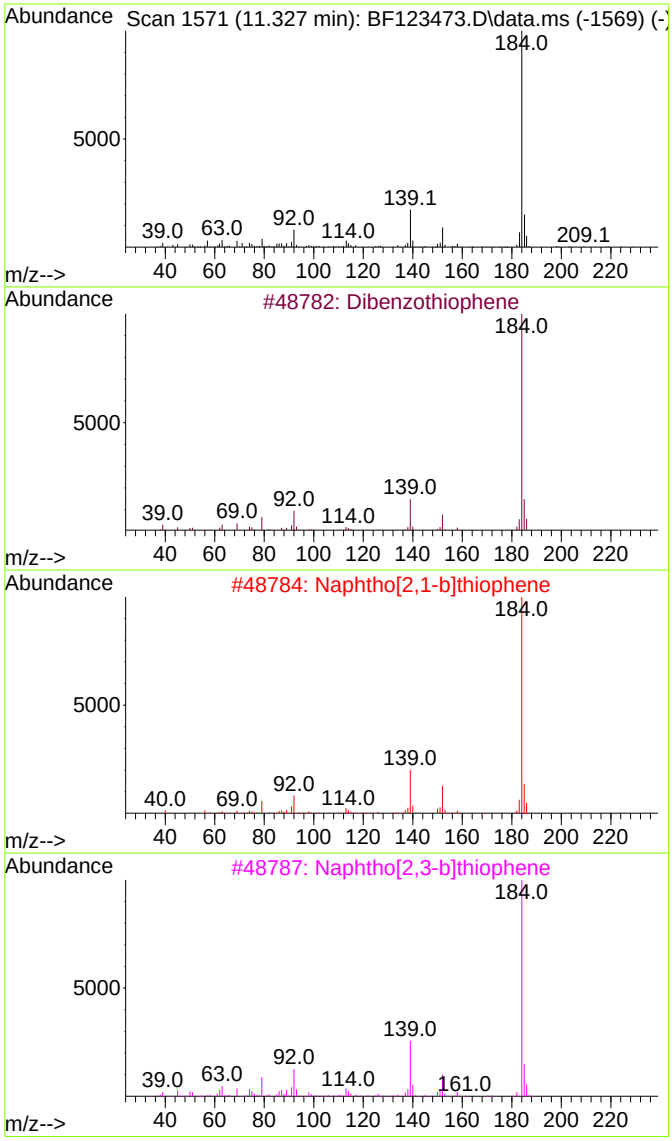
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

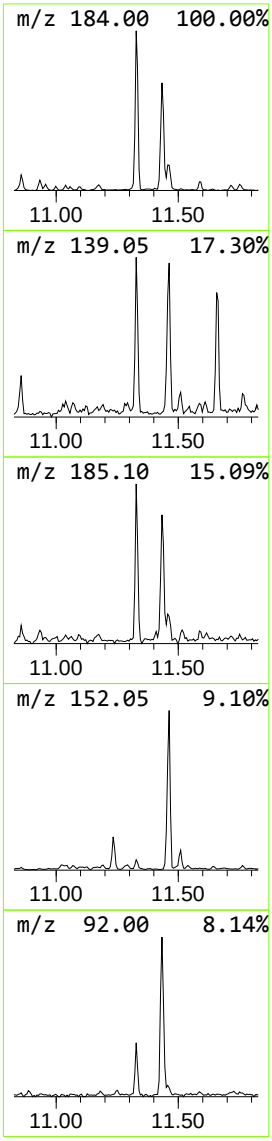
****

Peak Number 6 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.327	4.53 ng	363684	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





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Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

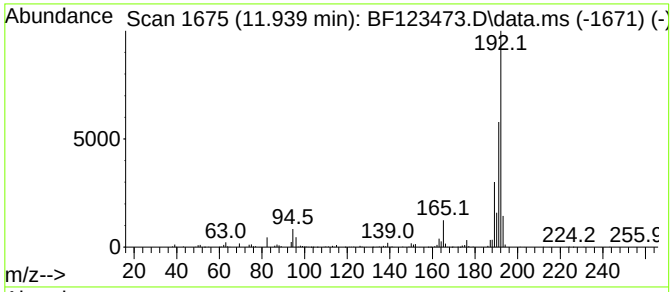
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

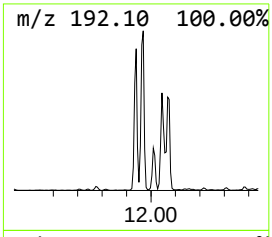
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

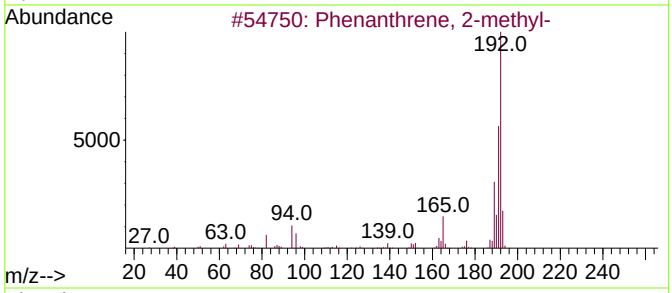
****
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

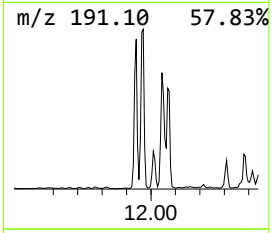
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	10.92 ng	876348	Phenanthrene-d10	11.433

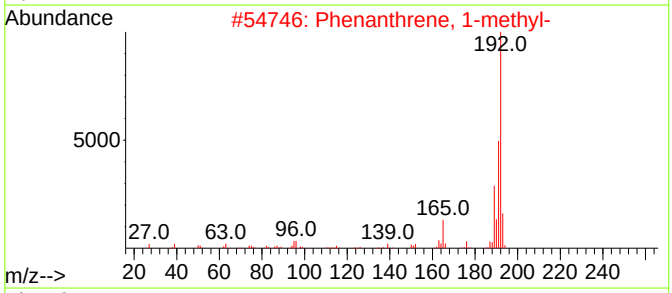
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94

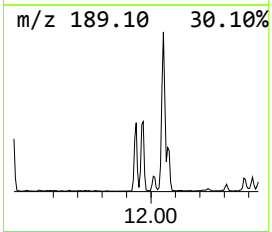


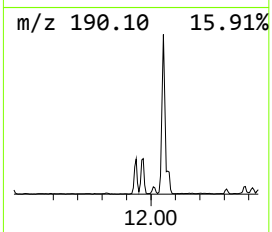


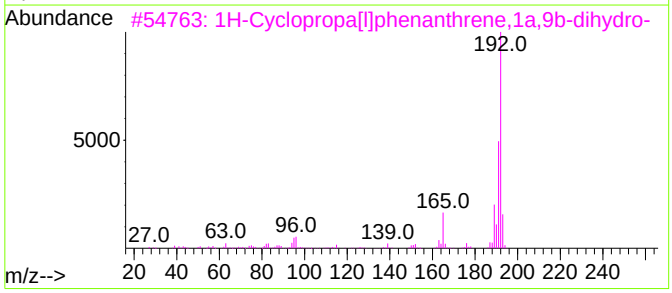


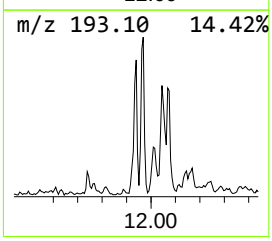












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Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

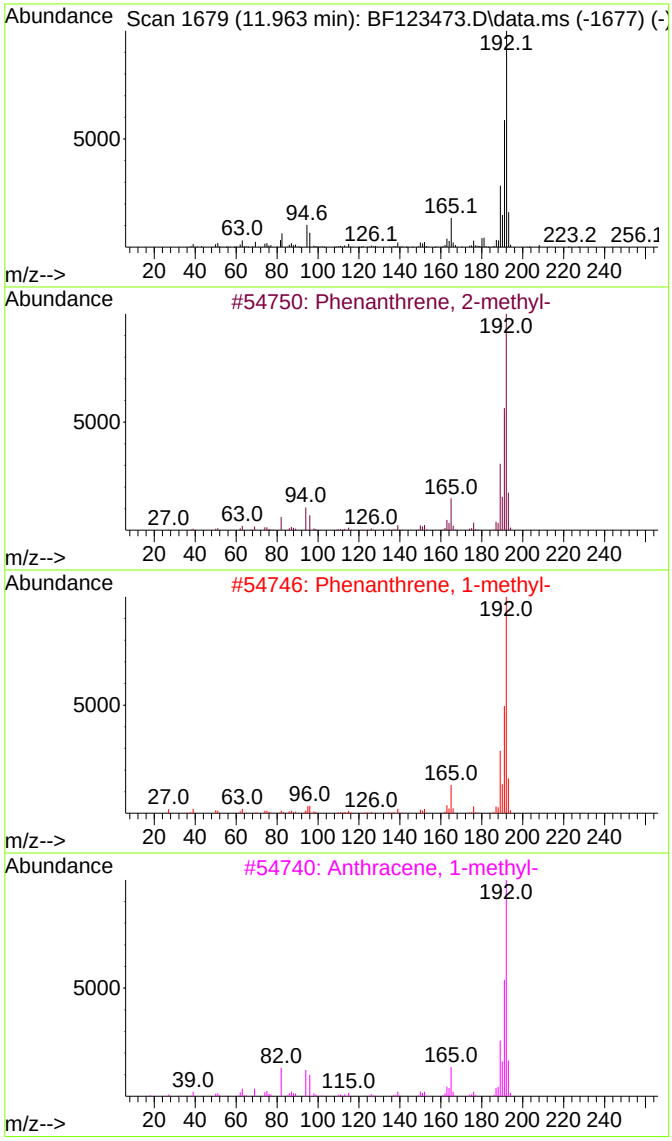
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

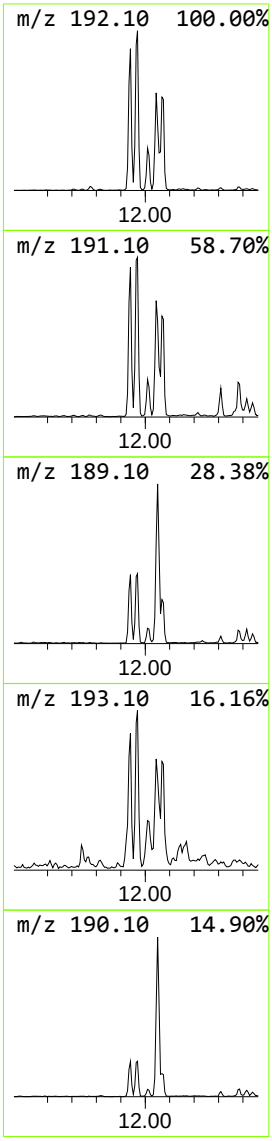
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	13.22 ng	1061590	Phenanthrene-d10	11.433

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	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95





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Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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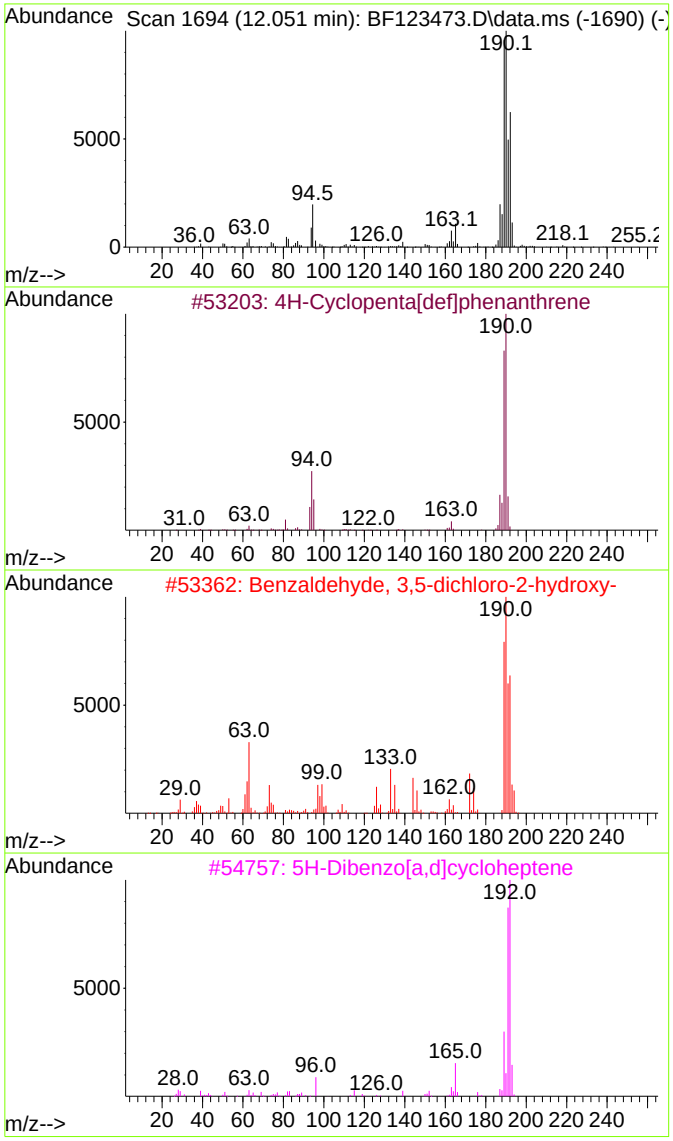
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

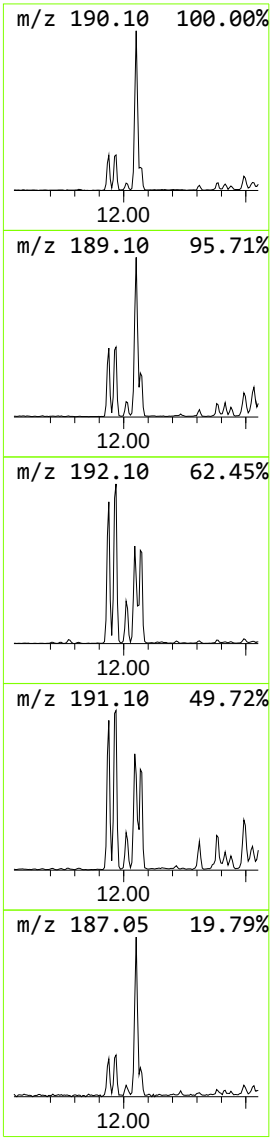
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.051	15.68 ng	1258850	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





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Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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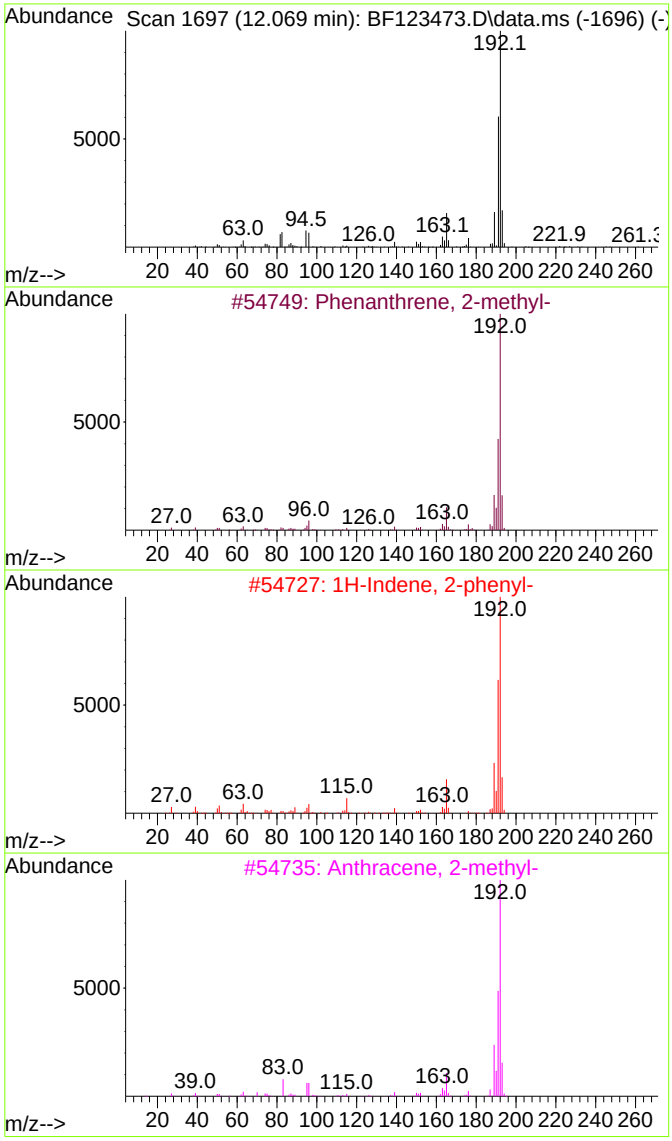
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

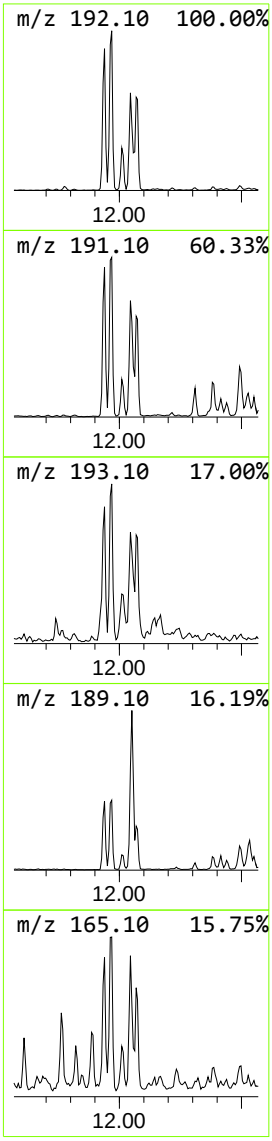
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	6.45 ng	518037	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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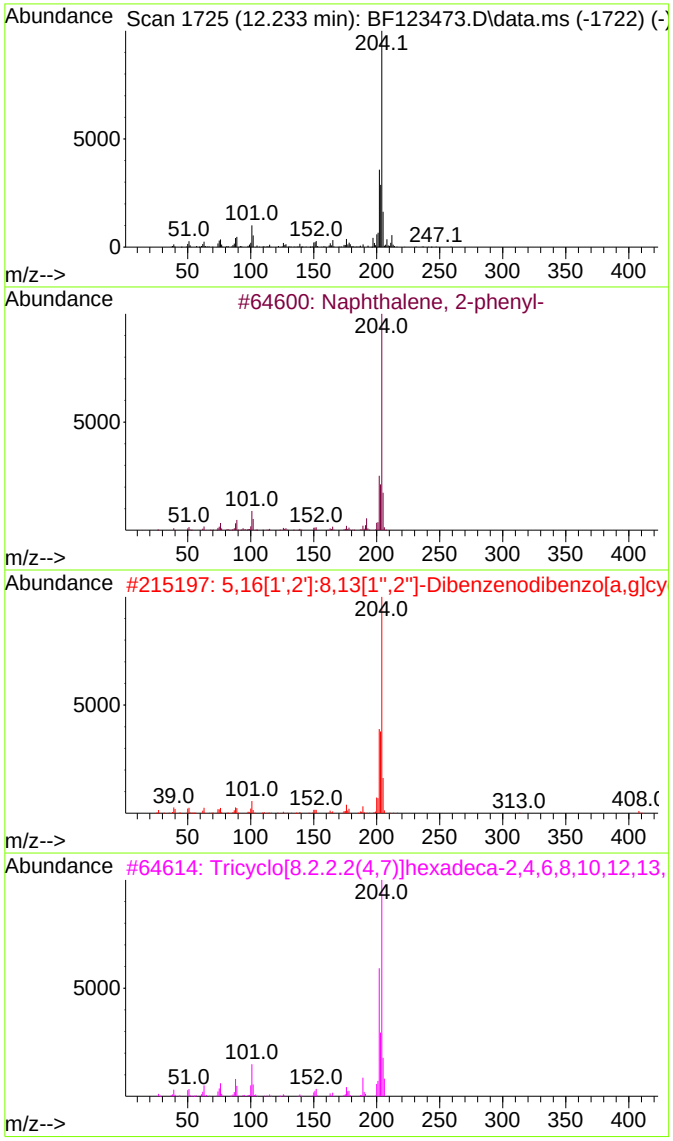
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

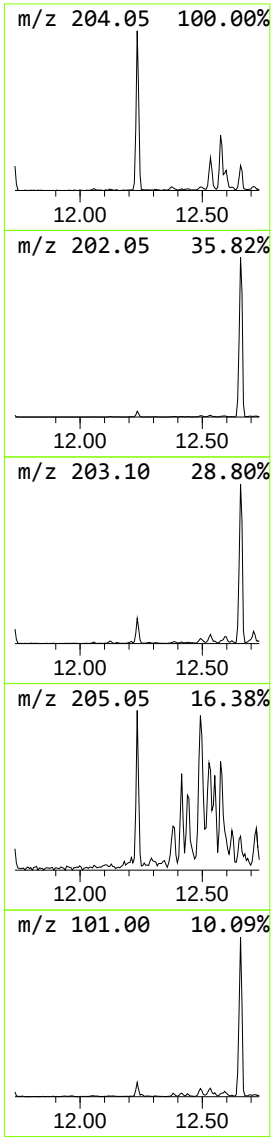
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	5.90 ng	473772	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Levamisole	204	C11H12N2S	014769-73-4	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

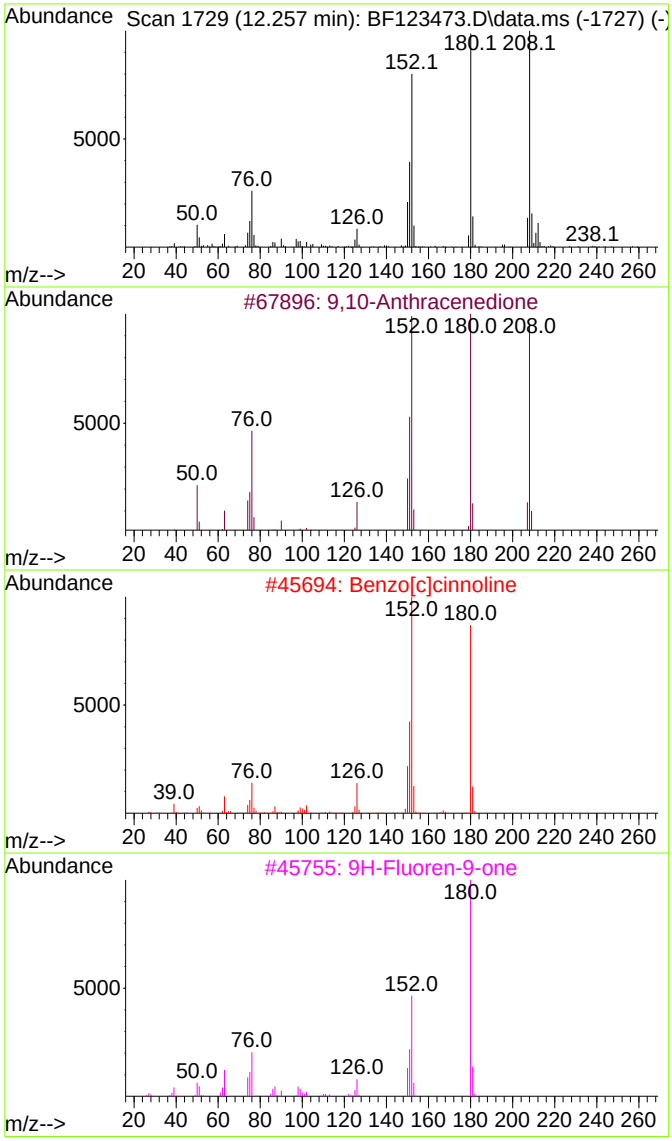
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

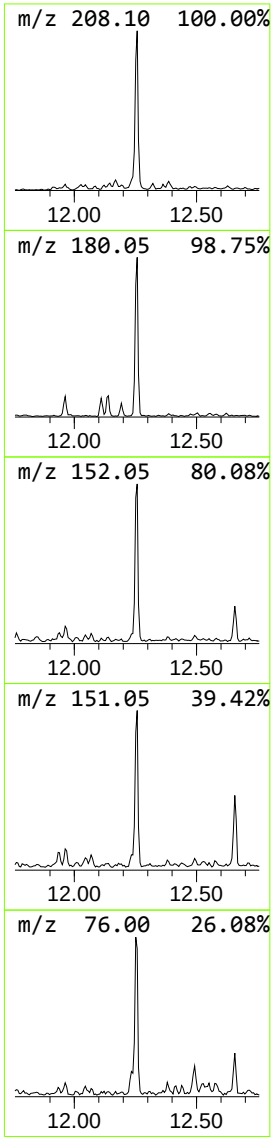
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.257	7.49 ng	600912	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

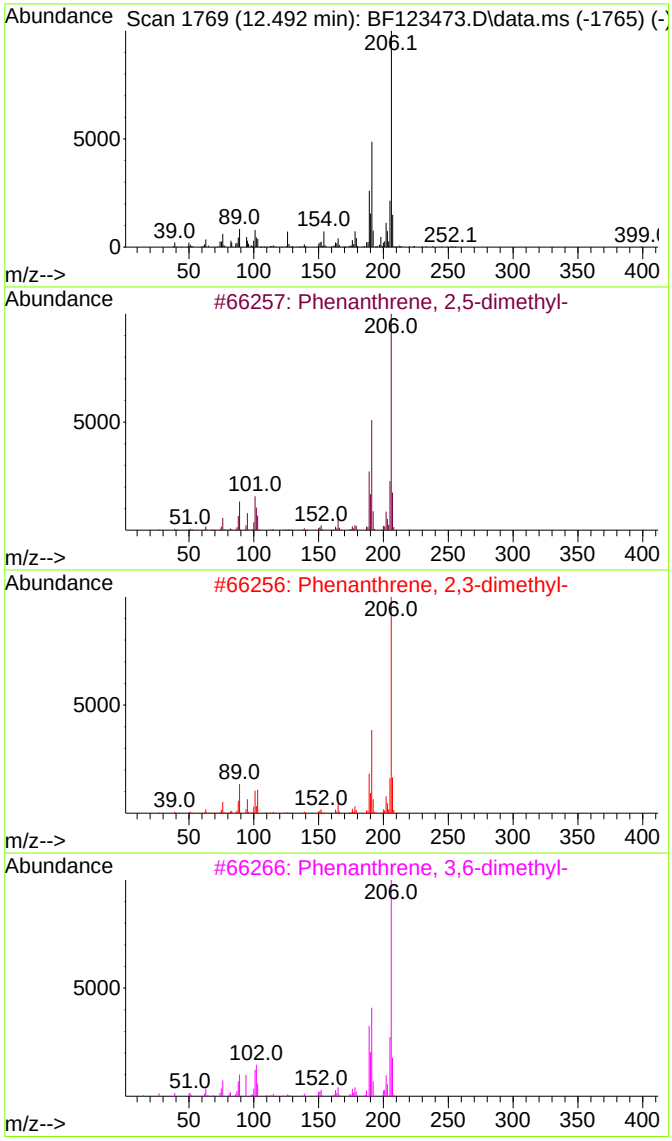
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

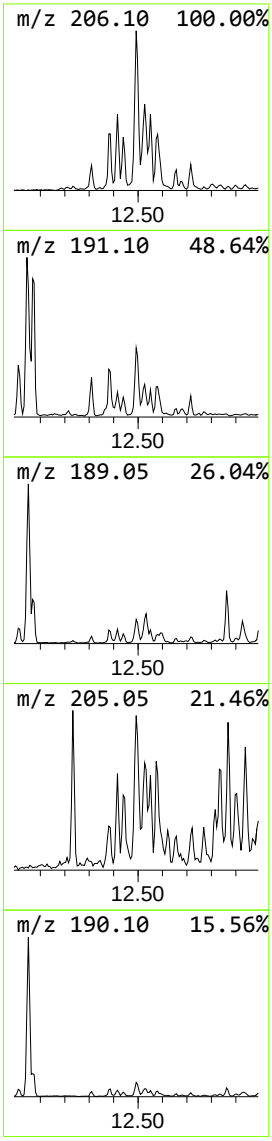
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	6.57 ng	527134	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81





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Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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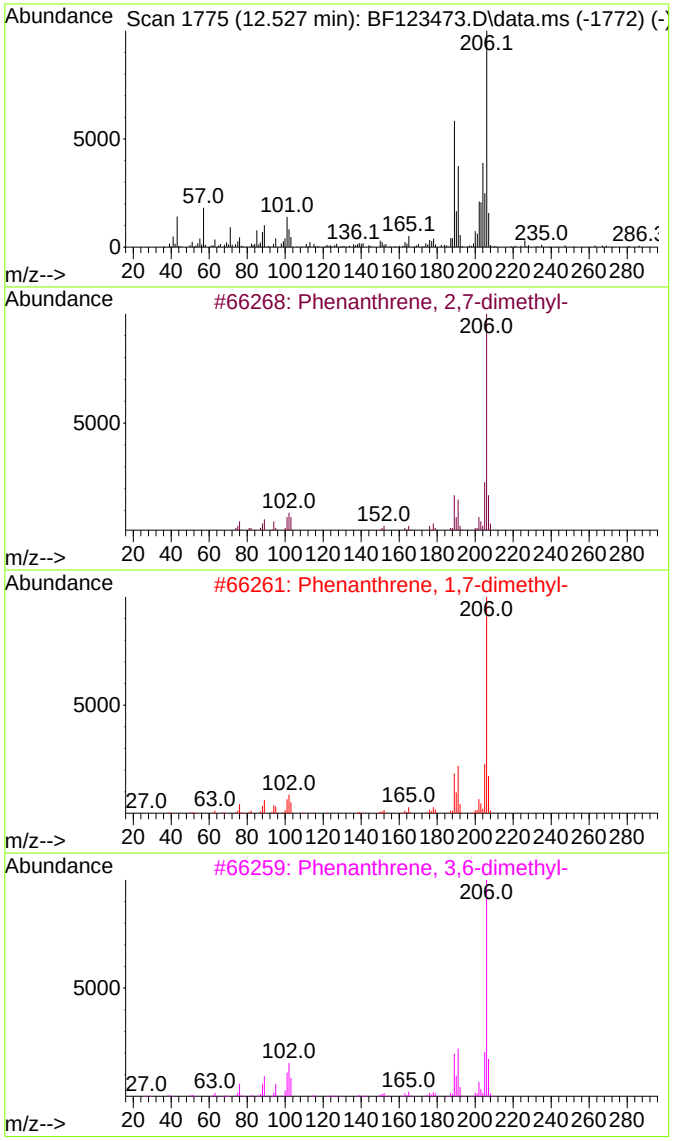
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

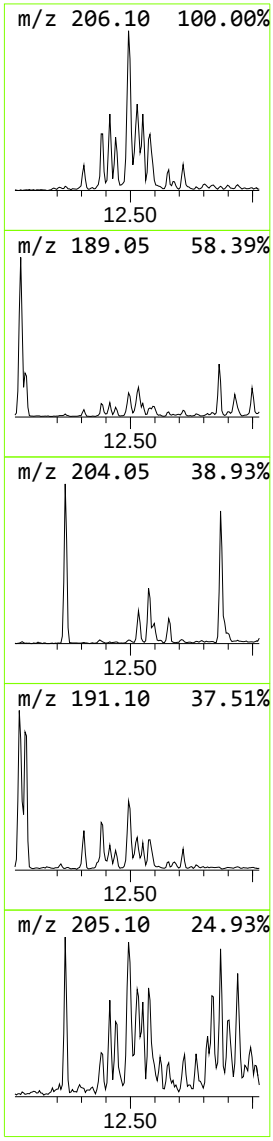
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	4.72 ng	378782	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	60
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	53
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	53
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49





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ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

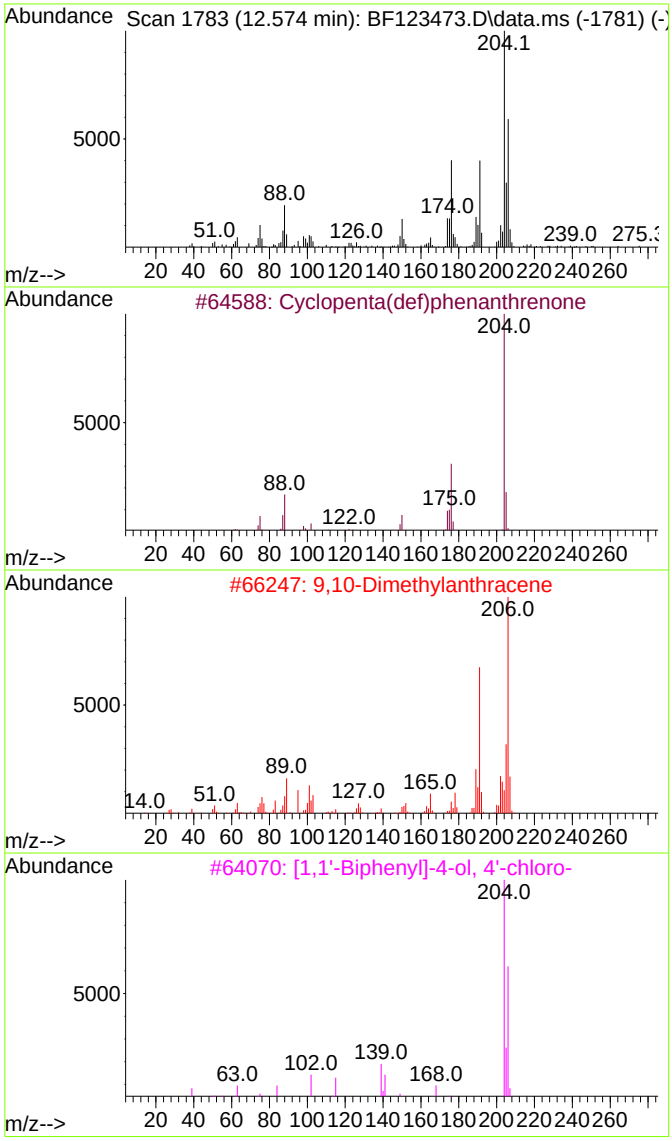
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

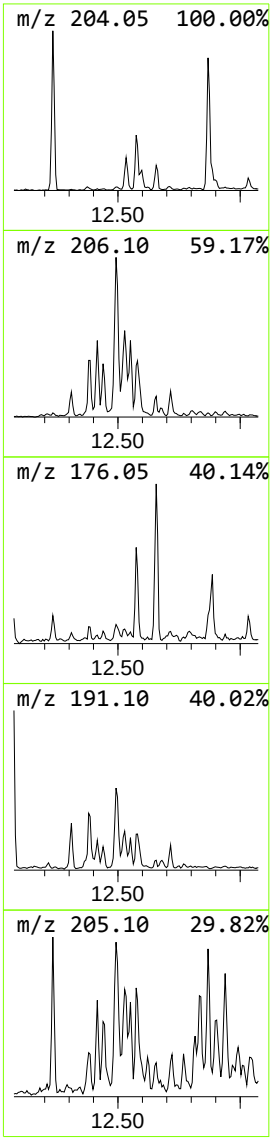
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.574	4.28 ng	343888	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	42
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	42





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Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

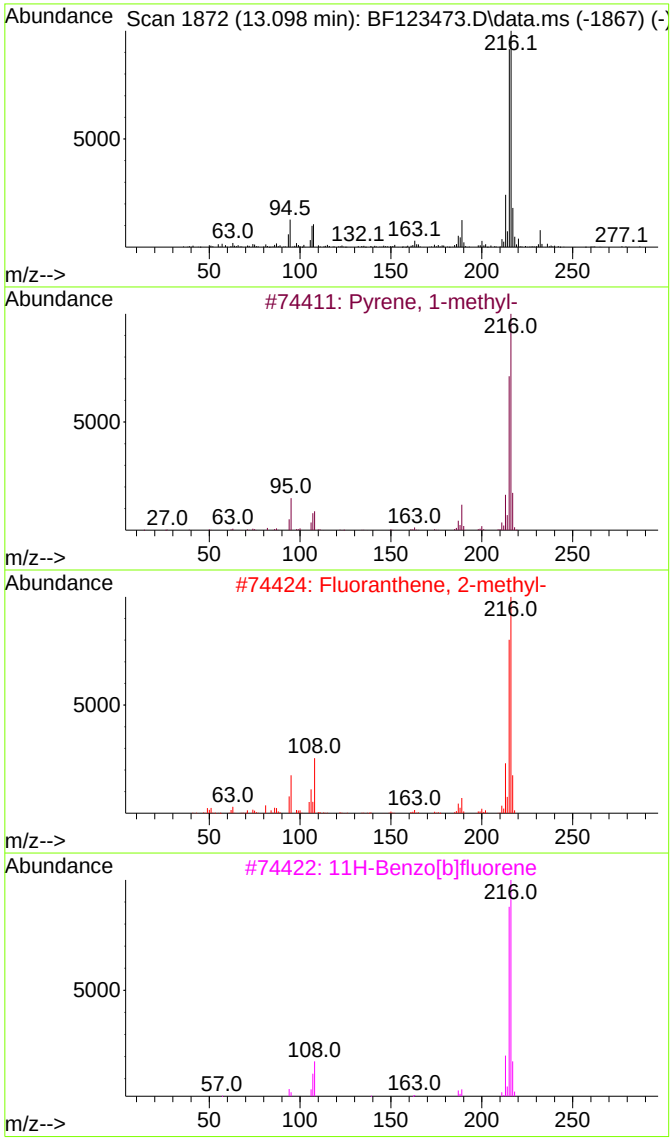
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

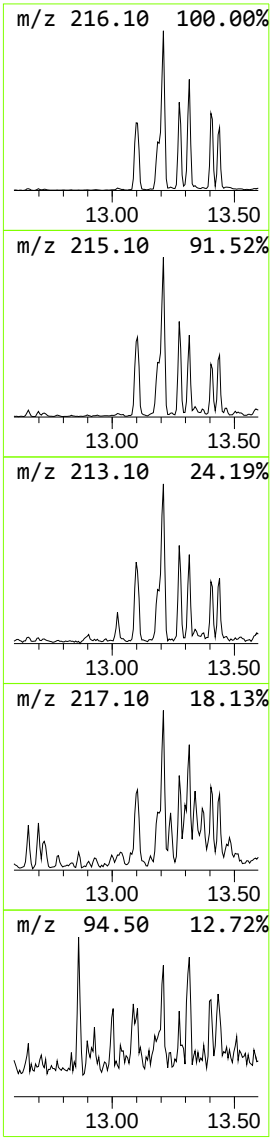
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	3.98 ng	612725	Chrysene-d12	14.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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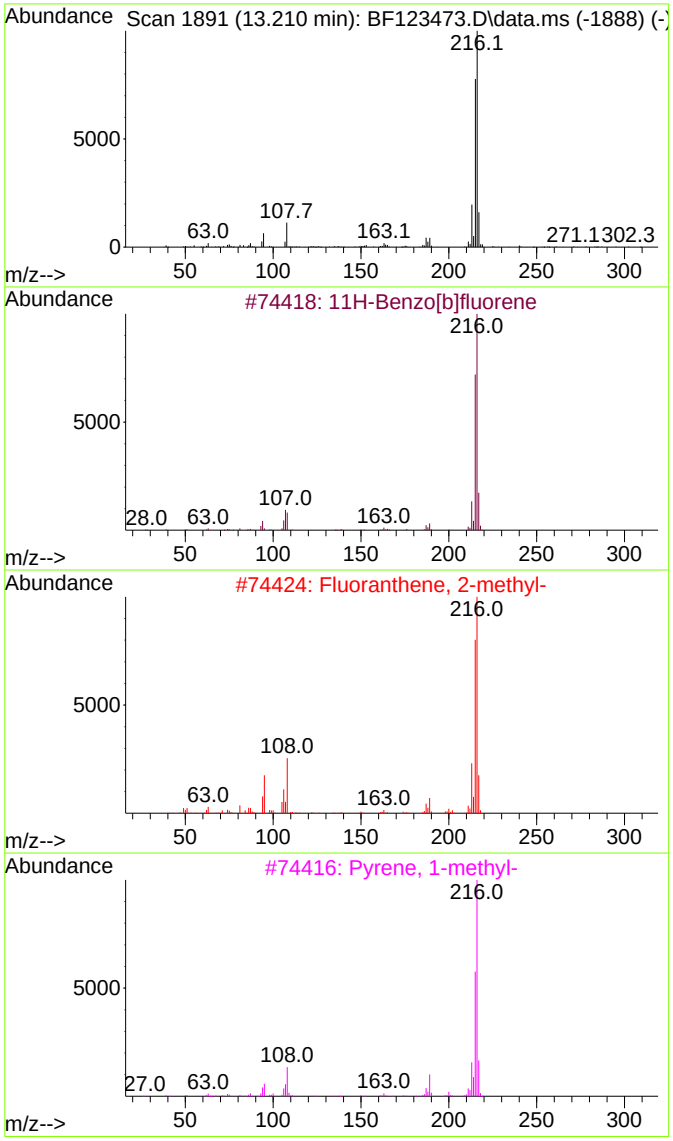
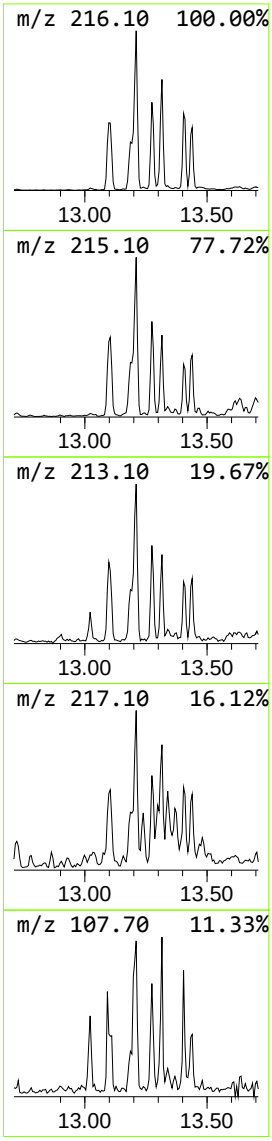
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	4.30 ng	662327	Chrysene-d12	14.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59





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Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

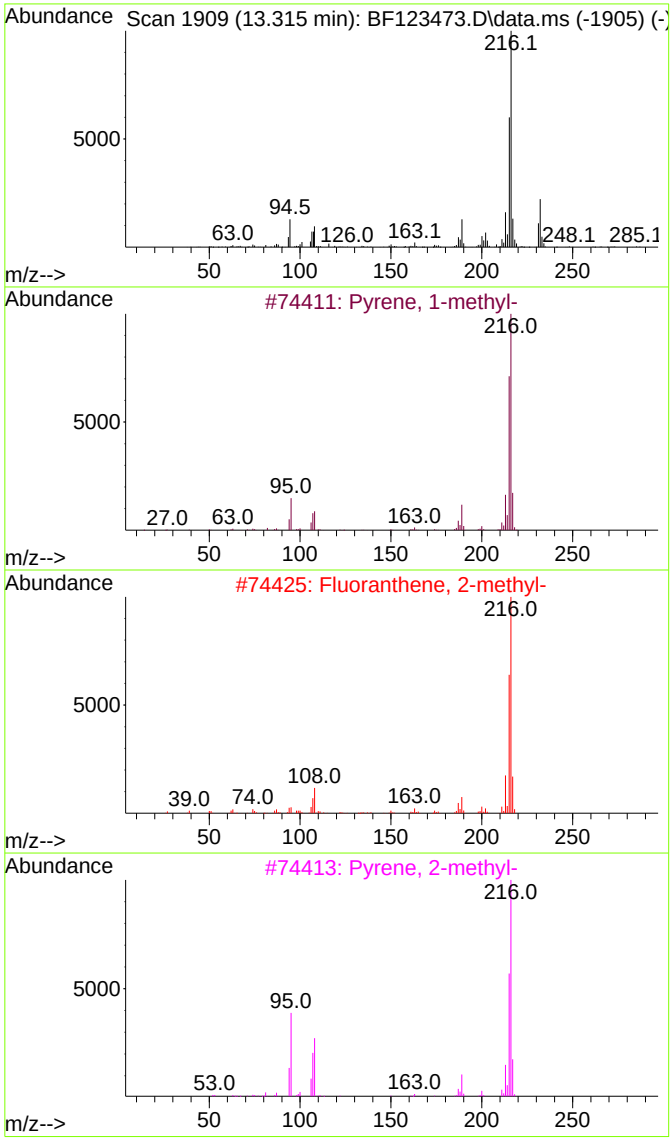
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

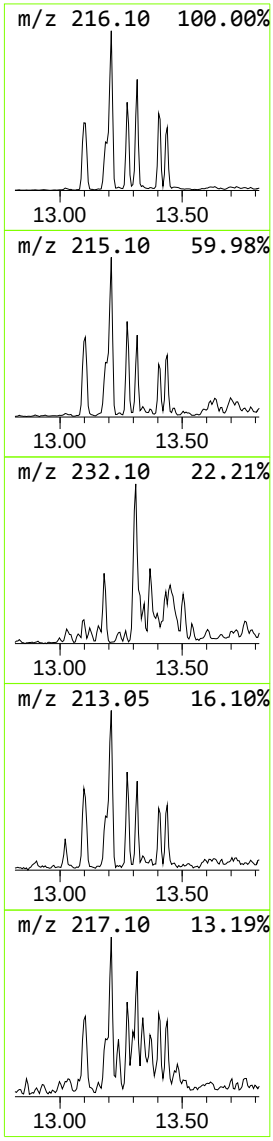
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.316	3.70 ng	568903	Chrysene-d12	14.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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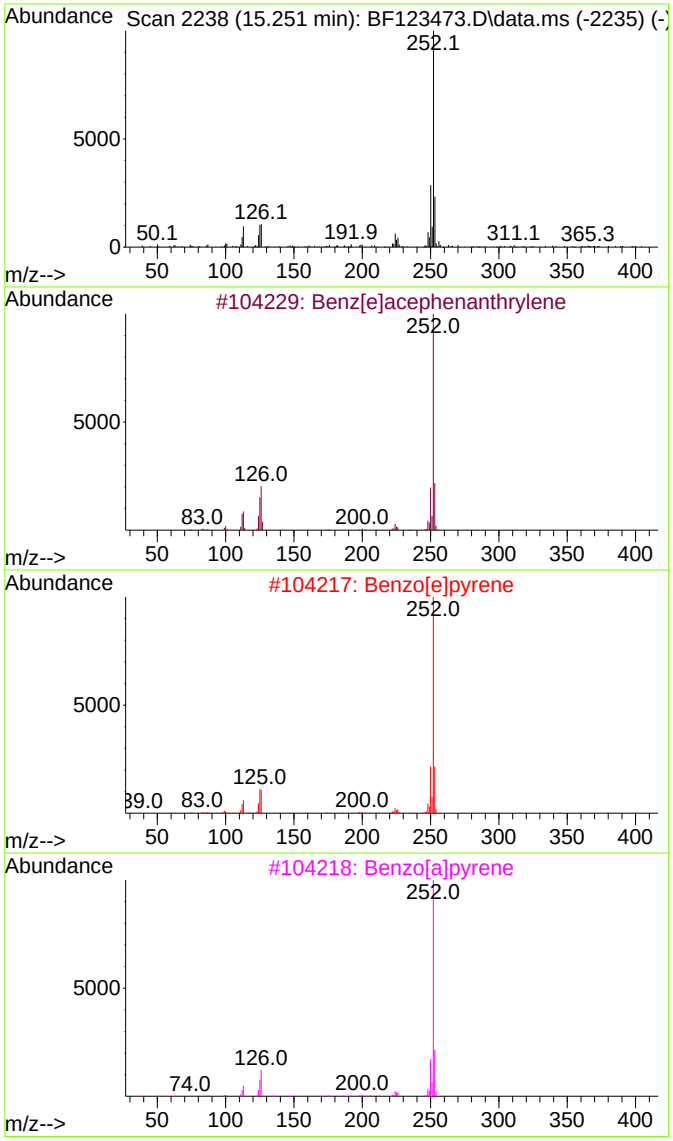
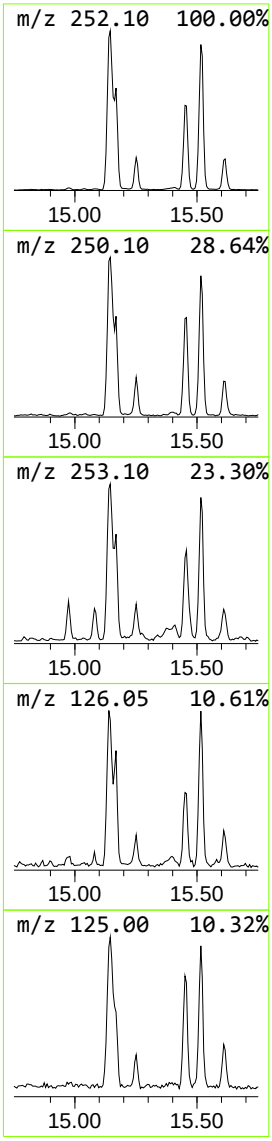
Peak Number 19 Benzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.251	3.67 ng	190599	Perylene-d12	15.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	87
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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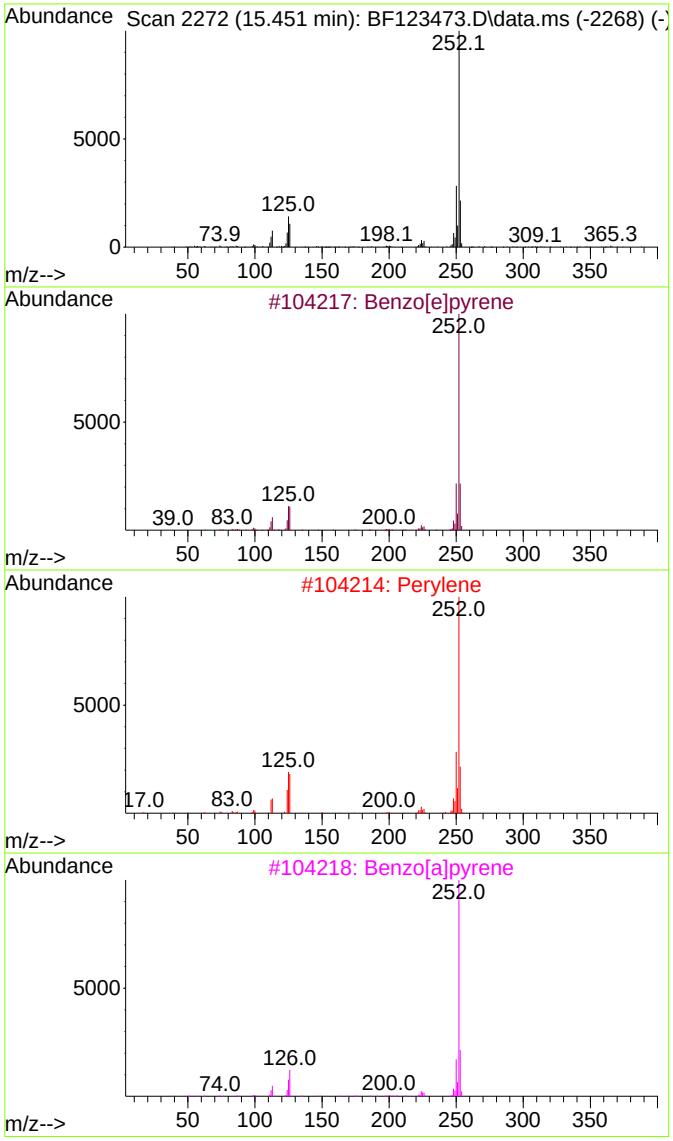
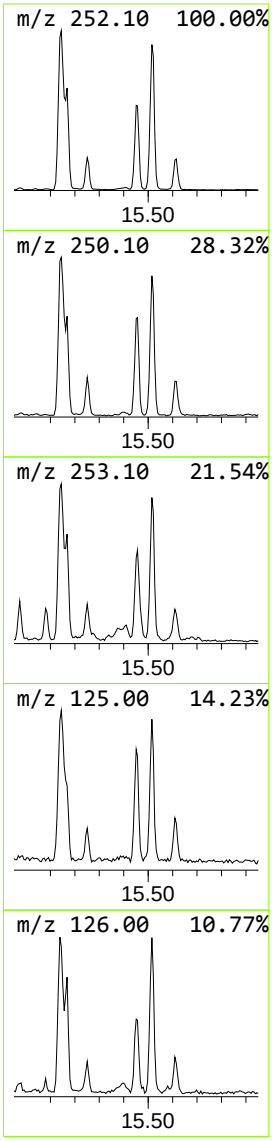
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.451	13.61 ng	707598	Perylene-d12	15.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123473.D
Acq On : 25 Mar 2021 21:28
Operator : JU/CG
Sample : M1730-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.181	9.1	ng	668448	1	6.898	1471440	20.0
Naphthalene, 2,...	9.598	4.3	ng	434562	3	9.945	2031080	20.0
9H-Fluorene, 2-...	11.039	4.4	ng	350867	4	11.433	1605590	20.0
9H-Fluoren-9-one	11.233	4.0	ng	317428	4	11.433	1605590	20.0
Anthracene, 1,2...	11.292	4.1	ng	331791	4	11.433	1605590	20.0
Dibenzothiophene	11.327	4.5	ng	363684	4	11.433	1605590	20.0
Phenanthrene, 2...	11.939	10.9	ng	876348	4	11.433	1605590	20.0
Phenanthrene, 1...	11.963	13.2	ng	1061590	4	11.433	1605590	20.0
4H-Cyclopenta[d...	12.051	15.7	ng	1258850	4	11.433	1605590	20.0
1H-Indene, 2-ph...	12.069	6.5	ng	518037	4	11.433	1605590	20.0
Naphthalene, 2-...	12.233	5.9	ng	473772	4	11.433	1605590	20.0
9,10-Anthracene...	12.257	7.5	ng	600912	4	11.433	1605590	20.0
Phenanthrene, 2...	12.492	6.6	ng	527134	4	11.433	1605590	20.0
Phenanthrene, 2...	12.527	4.7	ng	378782	4	11.433	1605590	20.0
Cyclopenta(def)...	12.574	4.3	ng	343888	4	11.433	1605590	20.0
Pyrene, 1-methyl-	13.098	4.0	ng	612725	5	14.086	3079060	20.0
11H-Benzo[b]flu...	13.210	4.3	ng	662327	5	14.086	3079060	20.0
Fluoranthene, 2...	13.316	3.7	ng	568903	5	14.086	3079060	20.0
Benzo[e]pyrene	15.251	3.7	ng	190599	6	15.580	1040100	20.0
Perylene	15.451	13.6	ng	707598	6	15.580	1040100	20.0