LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
Acq On : 29 Apr 2022 20:07
Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-3

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: BF128005.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.157	484	488	494	rVB	25839	32493	1.23%	0.099%
2	5.545	549	554	557	rBV	2306613	2245144	85.05%	6.849%
3	6.551	719	725	736	rBV	2170399	2356087	89.26%	7.188%
4	6.922	784	788	792	rBV	856388	682574	25.86%	2.082%
5	7.486	879	884	887	rBV	1705764	1588923	60.19%	4.847%
6	8.204	1002	1006	1009	rBV	942224	858720	32.53%	2.620%
7	8.922	1124	1128	1131	rBV	50782	44729	1.69%	0.136%
8	9.016	1140	1144	1148	rVB	54903	48121	1.82%	0.147%
9	9.280	1185	1189	1192	rBV	2975089	2639659	100.00%	8.053%
10	9.351	1197	1201	1204	rVB	42255	37601	1.42%	0.115%
11	9.545	1230	1234	1238	rBV2	34346	44522	1.69%	0.136%
12	9.622	1243	1247	1249	rBV	71165	68024	2.58%	0.208%
13	9.686	1256	1258	1263	rVB	38028	33705	1.28%	0.103%
14	9.739	1263	1267	1269	rBV	35705	32746	1.24%	0.100%
15	9.827	1278	1282	1287	rBV	141011	135268	5.12%	0.413%
16	9.963	1297	1305	1309	rBV	1016527	925793	35.07%	2.824%
17	9.998	1309	1311	1314	rVB	65833	50219	1.90%	0.153%
18	10.163	1335	1339	1343	rVB2	46174	53993	2.05%	0.165%
19	10.204	1343	1346	1349	rVB	51453	37382	1.42%	0.114%
20	10.275	1355	1358	1361	rBV2	41708	50748	1.92%	0.155%
21	10.369	1369	1374	1376	rBV3	30492	50886	1.93%	0.155%
22	10.510	1395	1398	1404	rVB2	78408	85922	3.26%	0.262%
23	10.757	1436	1440	1443	rBV	1511601	1336069	50.62%	4.076%
24	10.874	1454	1460	1466	rVB5	50268	94279	3.57%	0.288%
25	11.063	1487	1492	1494	rBV2	50687	61920	2.35%	0.189%
26	11.186	1509	1513	1515	rBV3	27820	38937	1.48%	0.119%
27	11.210	1515	1517	1523	rVV3	32698	46369	1.76%	0.141%
28	11.263	1523	1526	1529	rVV2	53708	59069	2.24%	0.180%
29	11.304	1530	1533	1536	rVV2	43204	50367	1.91%	0.154%
30	11.351	1536	1541	1545	rVB	95131	104691	3.97%	0.319%
31	11.457	1555	1559	1561	rBV	884404	758312	28.73%	2.313%
32	11.480	1561	1563	1566	rVV	974160	761260	28.84%	2.322%
33	11.533	1569	1572	1574	rBV	196079	161121	6.10%	0.492%
34	11.563	1574	1577	1580	rVB2	22492	32331	1.22%	0.099%
35	11.686	1595	1598	1604	rBV2	61057	72280	2.74%	0.221%
36	11.751	1607	1609	1612	rVV	64705	50312	1.91%	0.153%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
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Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-3

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	11.786	1612	1615	1619	rVB	116761	103286	3.91%	0.315%
38	11.839	1620	1624	1627	rBV3	41478	44191	1.67%	0.135%
39	11.869	1627	1629	1633	rVB	54165	57212	2.17%	0.175%
40	11.910	1633	1636	1638	rBV2	32839	36883	1.40%	0.113%
41	11.957	1641	1644	1647	rVV	267818	364305	13.80%	1.111%
42	11.986	1647	1649	1653	rVV	323564	264047	10.00%	0.806%
43	12.033	1654	1657	1660	rVV	77336	69723	2.64%	0.213%
44	12.069	1660	1663	1666	rVV2	339704	396570	15.02%	1.210%
45	12.092	1666	1667	1673	rVB	196089	130018	4.93%	0.397%
46	12.139	1673	1675	1678	rBV2	45540	48740	1.85%	0.149%
47	12.192	1681	1684	1686	rVV2	55723	46928	1.78%	0.143%
48	12.251	1687	1694	1697	rVV2	144818	204971	7.77%	0.625%
49	12.280	1697	1699	1705	rVB2	150399	144900	5.49%	0.442%
50	12.386	1714	1717	1718	rBV	46455	40975	1.55%	0.125%
51	12.404	1718	1720	1722	rVV	66209	51028	1.93%	0.156%
52	12.433	1722	1725	1727	rVV	96155	72304	2.74%	0.221%
53	12.457	1727	1729	1732	rVB2	72317	53801	2.04%	0.164%
54	12.510	1734	1738	1741	rBV	218084	241659	9.15%	0.737%
55	12.545	1741	1744	1746	rVV3	94006	110322	4.18%	0.337%
56	12.563	1746	1747	1750	rVB	63069	46331	1.76%	0.141%
57	12.598	1750	1753	1757	rBV2	150425	189184	7.17%	0.577%
58	12.674	1762	1766	1769	rBV	1658943	1378282	52.21%	4.205%
59	12.716	1770	1773	1775	rBV	61923	53575	2.03%	0.163%
60	12.768	1779	1782	1784	rVB	78812	69808	2.64%	0.213%
61	12.804	1784	1788	1789	rBV4	47125	46653	1.77%	0.142%
62	12.827	1789	1792	1794	rVV	96196	78705	2.98%	0.240%
63	12.851	1794	1796	1799	rVB3	43662	36080	1.37%	0.110%
64	12.910	1799	1806	1809	rBV	1608198	1736974	65.80%	5.299%
65	12.951	1810	1813	1817	rVB2	141163	186580	7.07%	0.569%
66	13.045	1825	1829	1832	rVB	2171726	1788787	67.77%	5.457%
67	13.121	1837	1842	1846	rBV4	161450	267211	10.12%	0.815%
68	13.174	1849	1851	1853	rBV	52643	43427	1.65%	0.132%
69	13.210	1853	1857	1858	rBV3	125291	149439	5.66%	0.456%
70	13.227	1858	1860	1863	rVB	245744	244775	9.27%	0.747%
71	13.298	1870	1872	1874	rVB	158224	110201	4.17%	0.336%
72	13.333	1874	1878	1882	rBV2	229926	242332	9.18%	0.739%
73	13.392	1886	1888	1891	rBV3	31812	35870	1.36%	0.109%
74	13.427	1891	1894	1897	rVV	189073	155525	5.89%	0.474%
75	13.463	1897	1900	1902	rVB	161624	149586	5.67%	0.456%
76	13.521	1907	1910	1912	rBV3	93127	83149	3.15%	0.254%

LSC Area Percent Report

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Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

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	13.604	1922	1924	1926	rBV3	37951	36680	1.39%	0.112%
78	13.739	1944	1947	1952	rVB	171208	181859	6.89%	0.555%
79	13.798	1955	1957	1960	rVB	38480	35157	1.33%	0.107%
80	13.851	1961	1966	1969	rBV3	251044	323069	12.24%	0.986%
81	13.880	1969	1971	1973	rVV	168840	137121	5.19%	0.418%
82	13.904	1973	1975	1979	rVV2	147832	174381	6.61%	0.532%
83	13.945	1980	1982	1986	rVB	151022	157504	5.97%	0.481%
84	14.021	1993	1995	2002	rVB	89690	120747	4.57%	0.368%
85	14.098	2004	2008	2012	rBV2	1026461	1565802	59.32%	4.777%
86	14.133	2012	2014	2019	rVB	886954	736451	27.90%	2.247%
87	14.192	2021	2024	2025	rBV	65038	62533	2.37%	0.191%
88	14.210	2025	2027	2029	rBV	85012	57337	2.17%	0.175%
89	14.251	2031	2034	2036	rBV	91265	96689	3.66%	0.295%
90	14.362	2050	2053	2056	rBV	71694	65797	2.49%	0.201%
91	14.492	2072	2075	2078	rVB	216861	205411	7.78%	0.627%
92	14.527	2078	2081	2084	rBV2	128905	129705	4.91%	0.396%
93	14.615	2094	2096	2098	rBV	127703	112103	4.25%	0.342%
94	15.168	2186	2190	2193	rBV	544191	832572	31.54%	2.540%
95	15.280	2206	2209	2212	rBV	107092	109017	4.13%	0.333%
96	15.486	2240	2244	2251	rVB	376676	471727	17.87%	1.439%
97	15.551	2251	2255	2260	rBV	514430	619439	23.47%	1.890%
98	15.615	2262	2266	2270	rBV	385432	541963	20.53%	1.653%
99	17.156	2523	2528	2535	rVB2	191167	388264	14.71%	1.184%
100	17.621	2602	2607	2614	rVB2	160517	312654	11.84%	0.954%

Sum of corrected areas: 32778895

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
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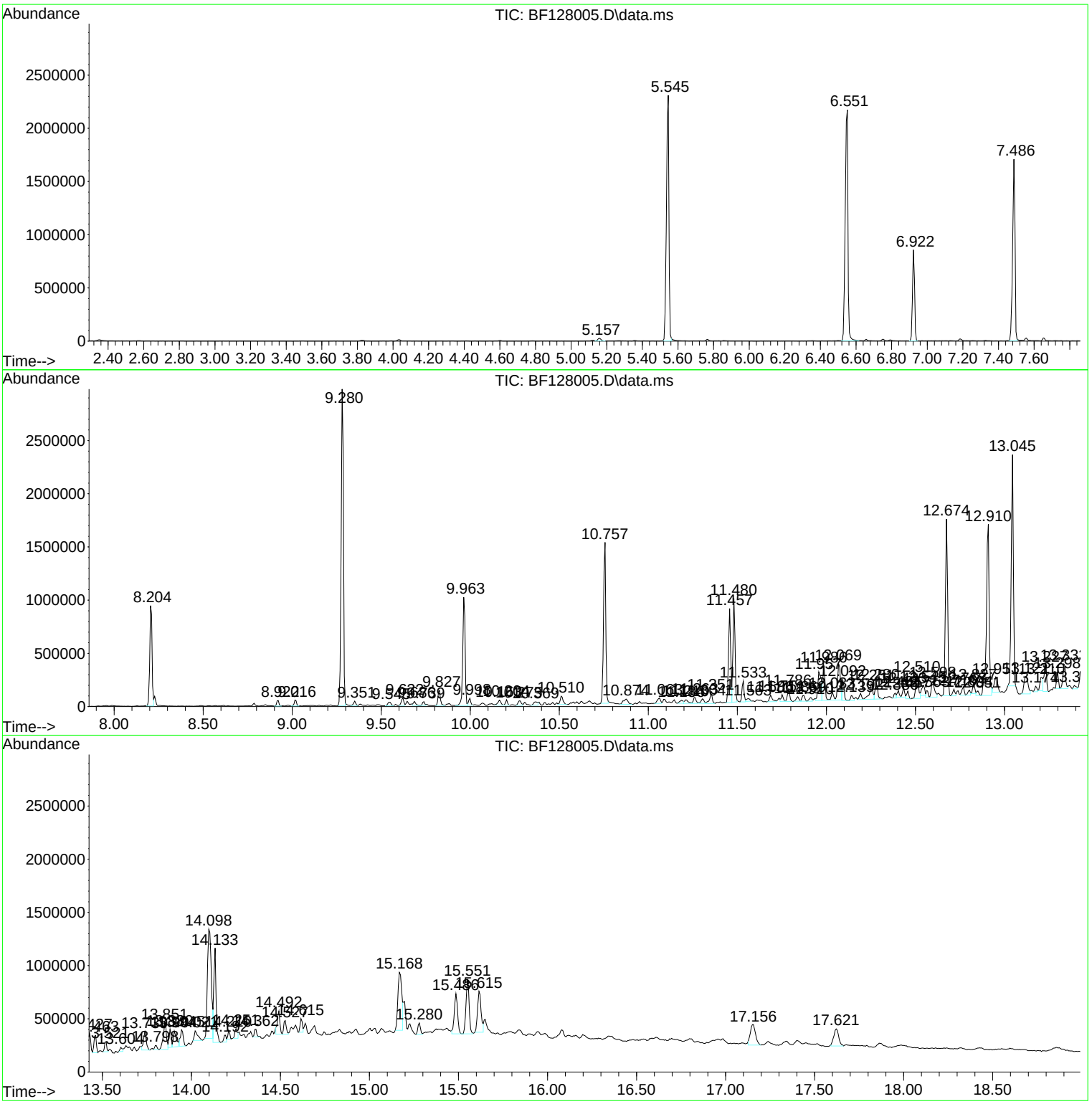
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

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\BF042922\
Data File : BF128005.D
Acq On : 29 Apr 2022 20:07
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Instrument :
BNA_F
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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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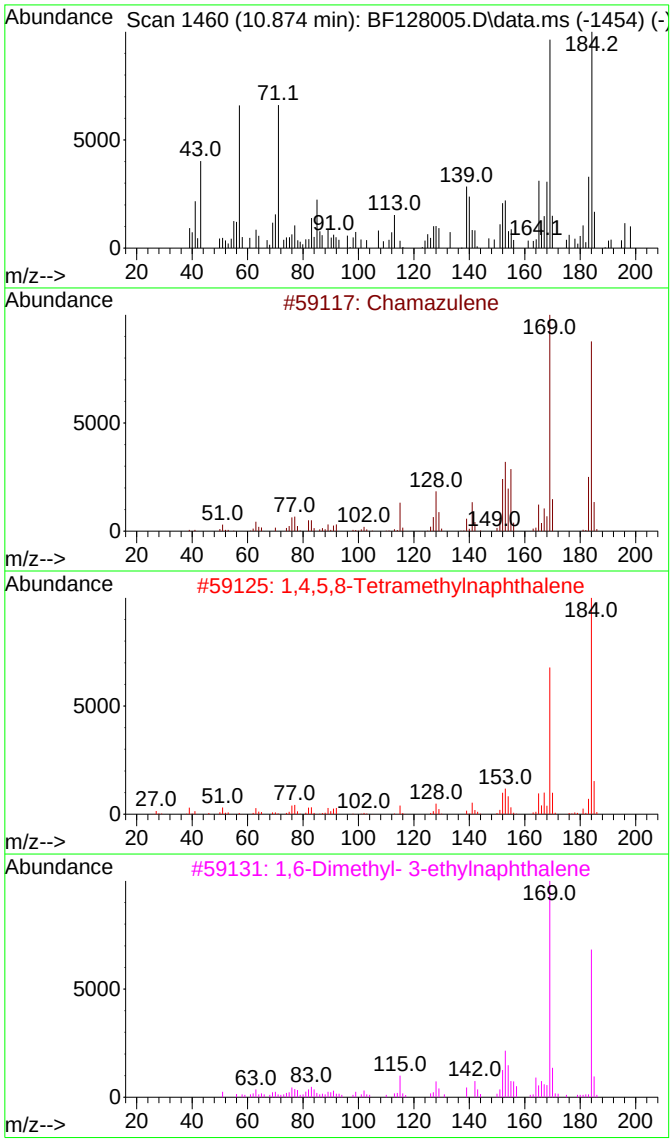
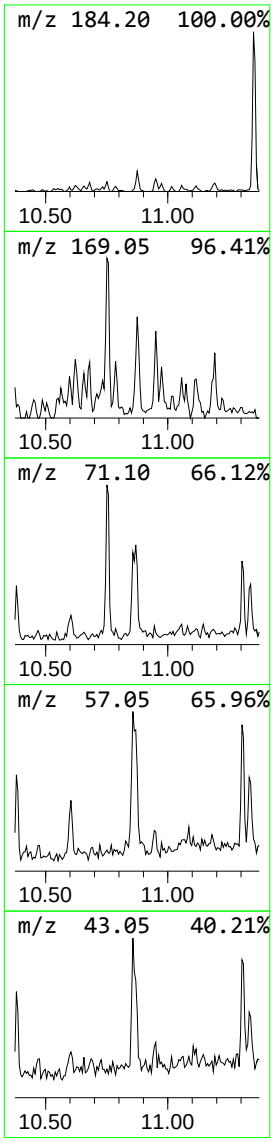
Peak Number 1 Chamazulene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.874	2.49 ng	94279	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	91
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	90
3	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	62
4	1,6-Dimethyl-4-ethylnaphthalene ...	184	C14H16	1000383-71-7	60
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
Acq On : 29 Apr 2022 20:07
Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

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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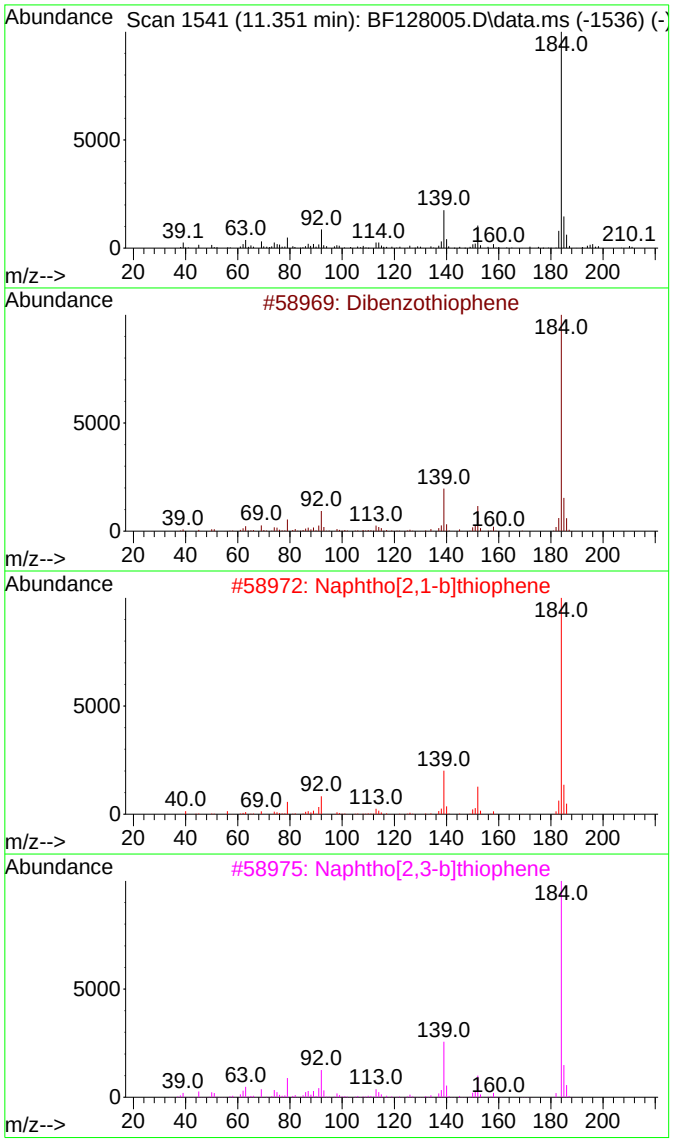
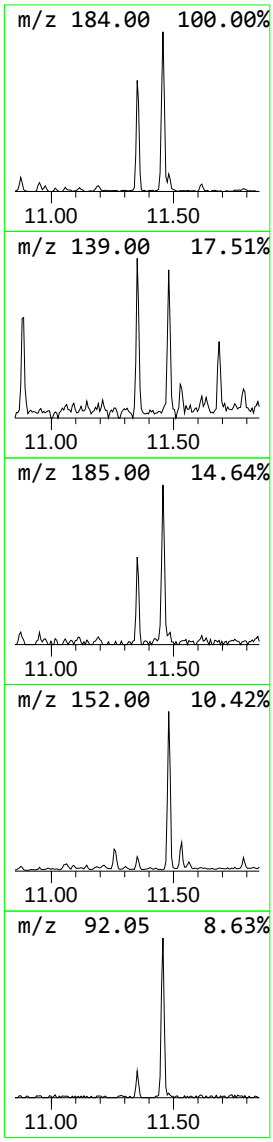
Peak Number 2 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.351	2.76 ng	104691	Phenanthrene-d10	11.457

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	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
Acq On : 29 Apr 2022 20:07
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Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
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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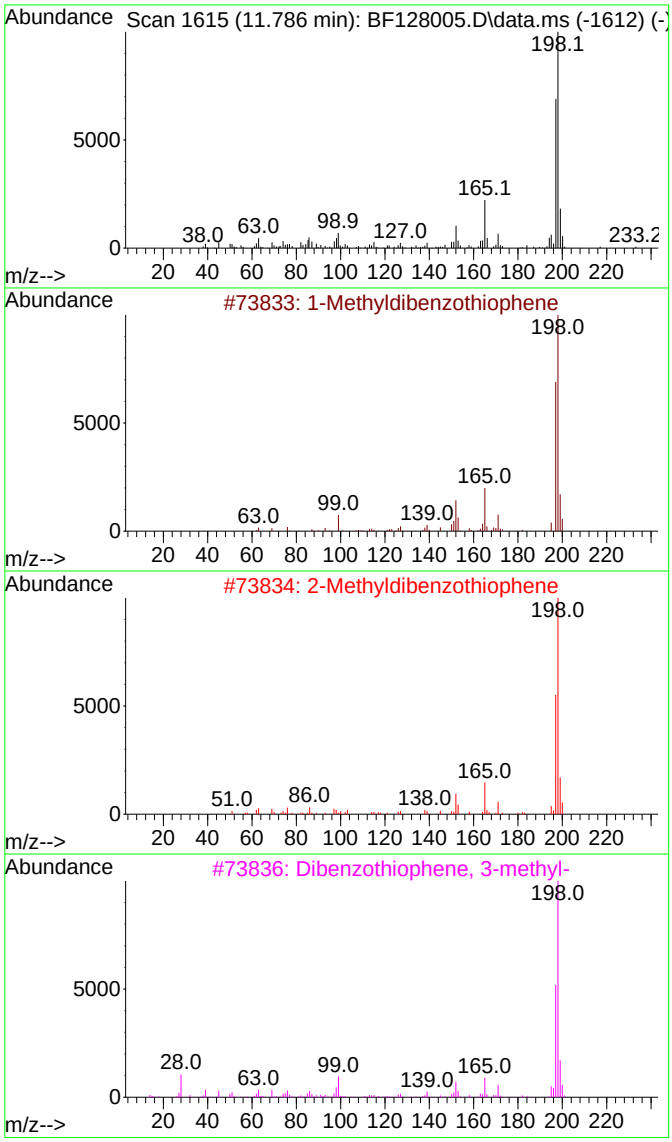
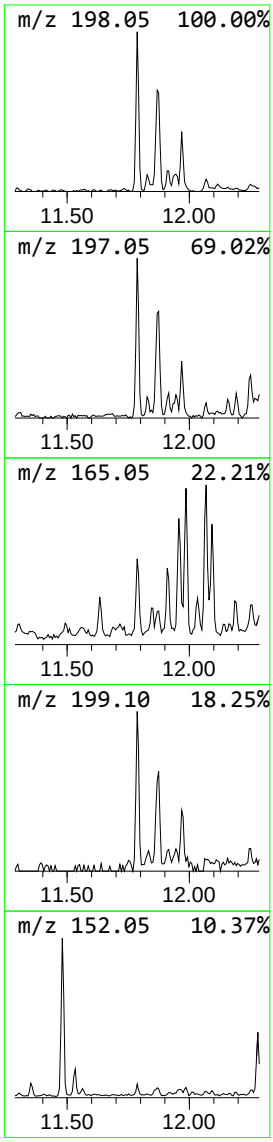
Peak Number 3 1-Methyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.786	2.72 ng	103286	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	80
5	Thioxanthene	198	C13H10S	000261-31-4	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
Acq On : 29 Apr 2022 20:07
Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

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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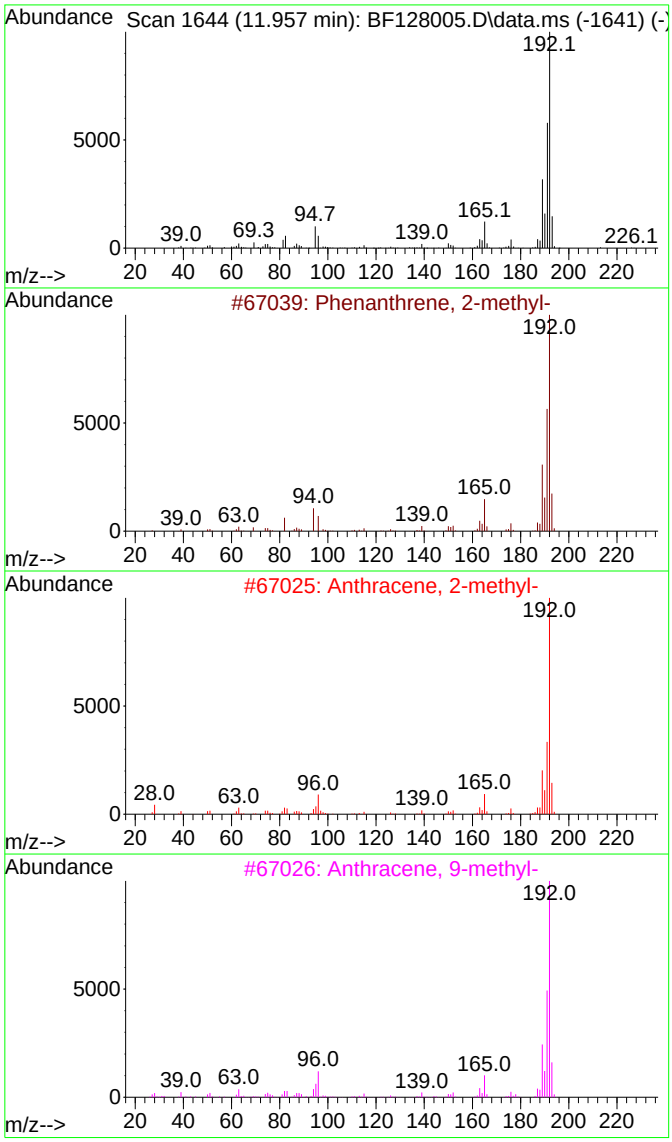
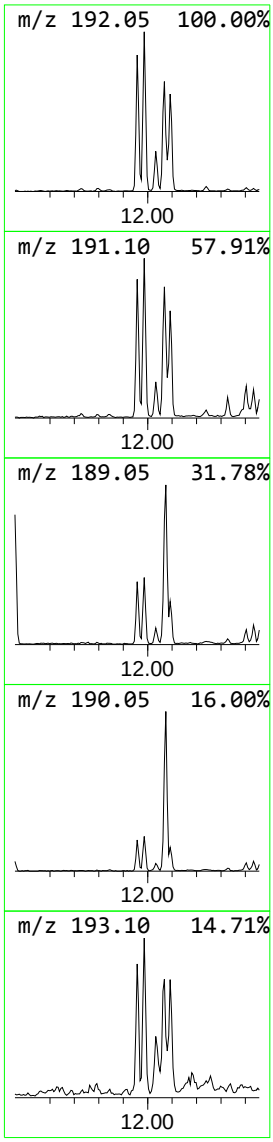
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	9.61 ng	364305	Phenanthrene-d10	11.457

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
Acq On : 29 Apr 2022 20:07
Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

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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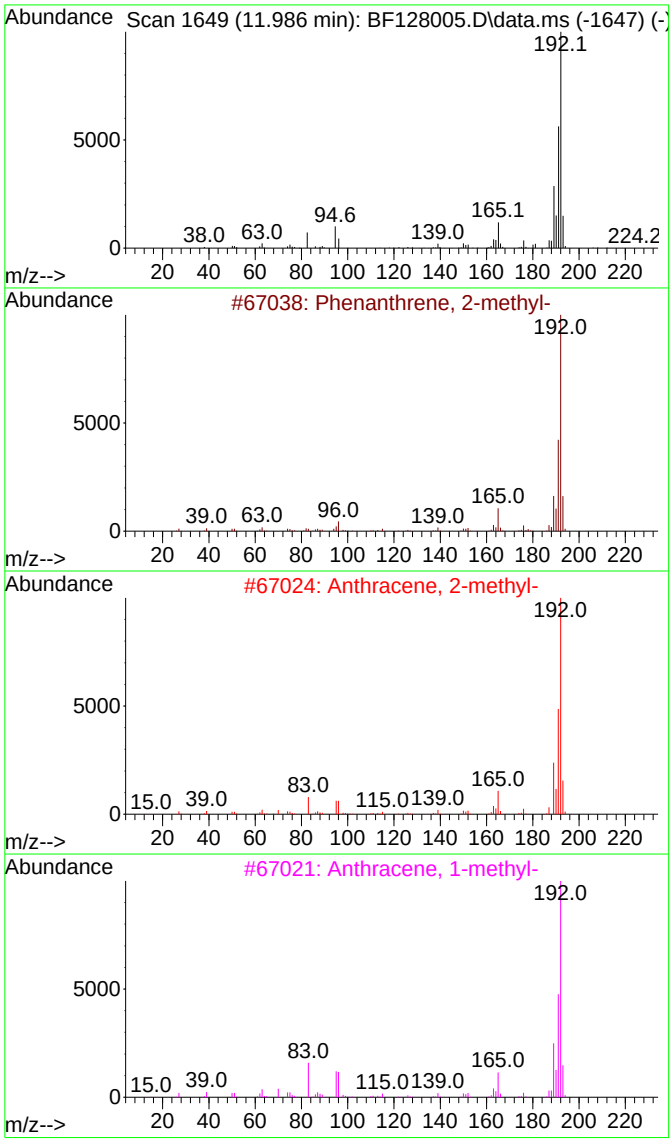
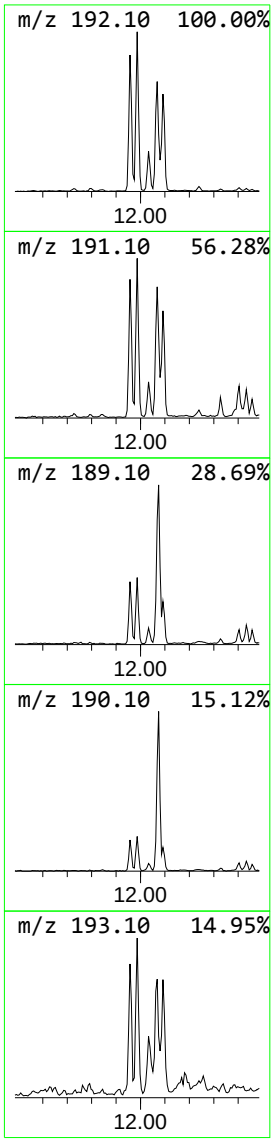
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	6.96 ng	264047	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 29 Apr 2022 20:07
Operator : CG\JU
Sample : N2609-07
Misc :
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ClientSampleId :
WC-3

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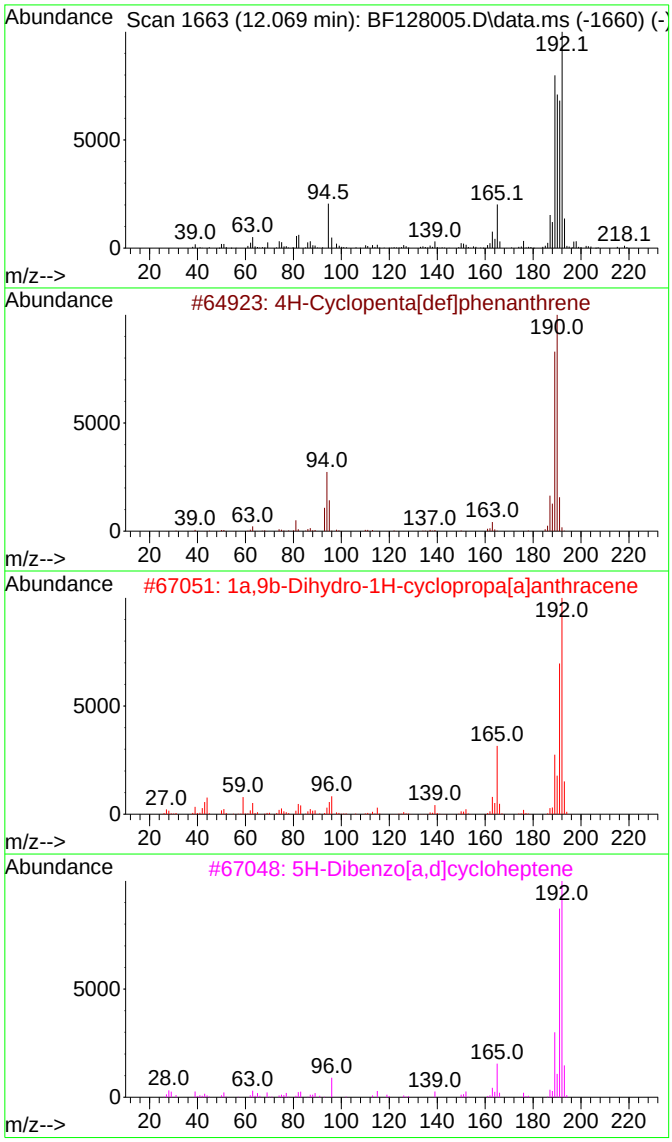
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

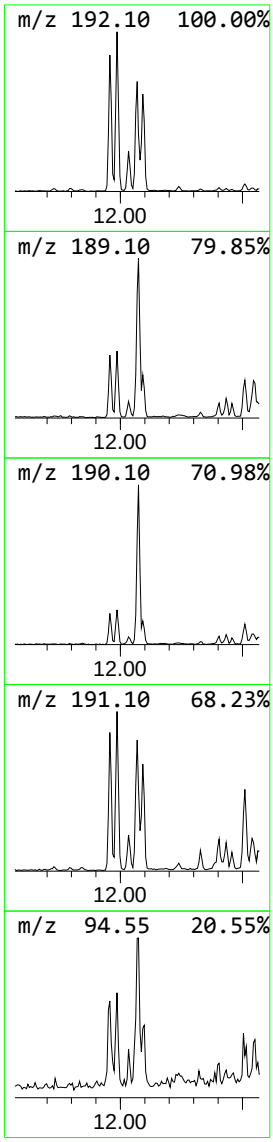
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	10.46 ng	396570	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46





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Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

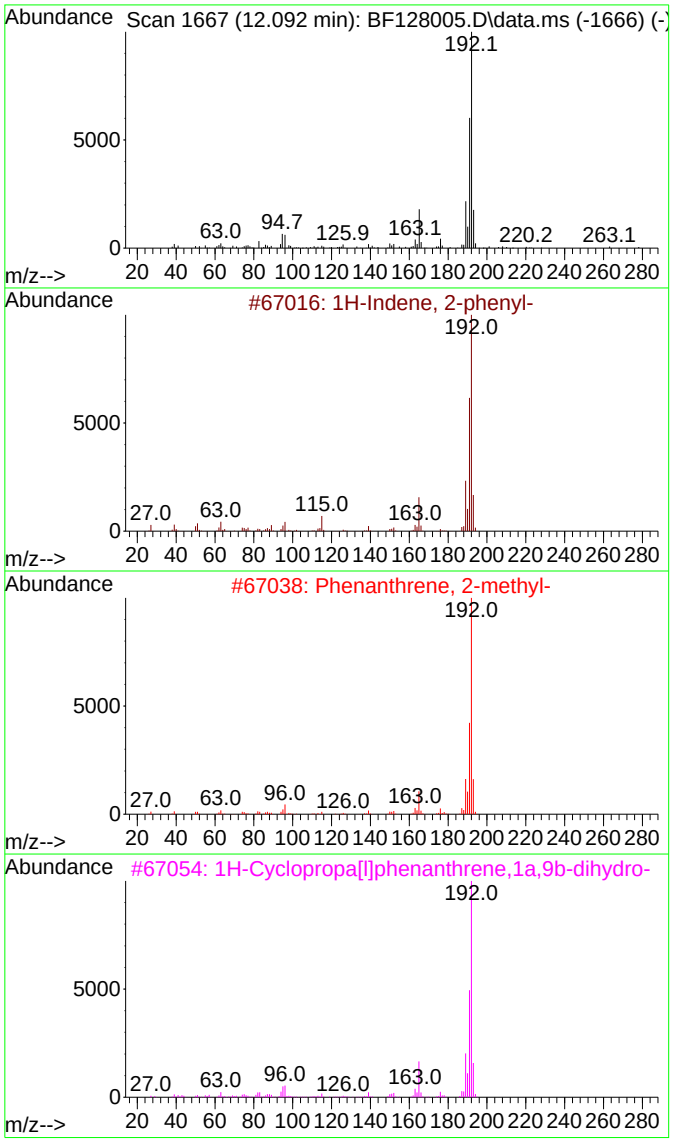
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

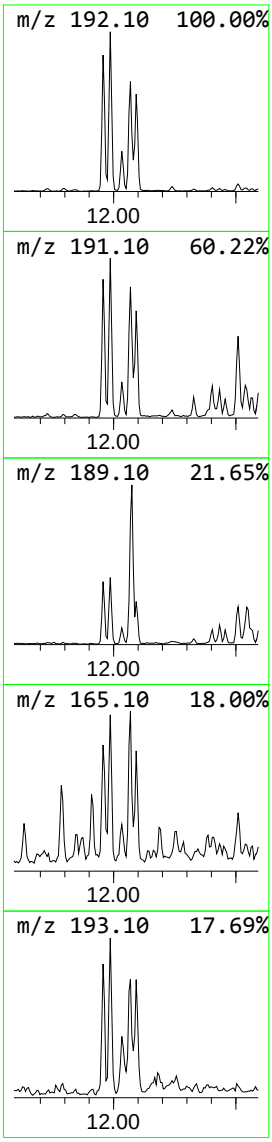
****

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	3.43 ng	130018	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91





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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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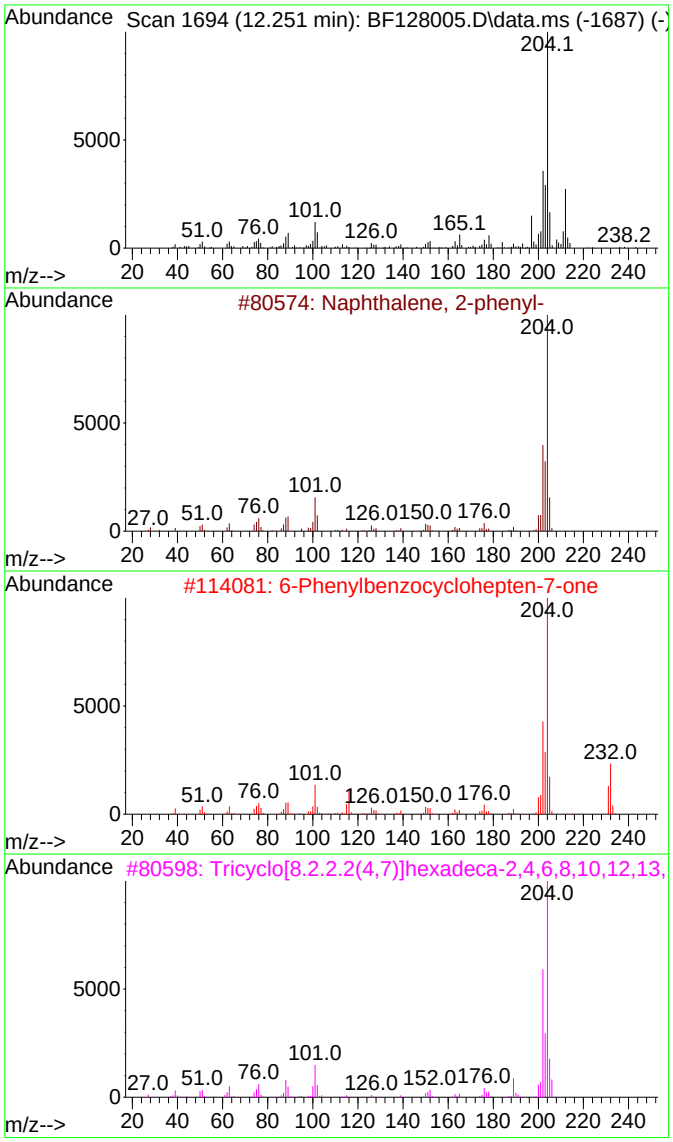
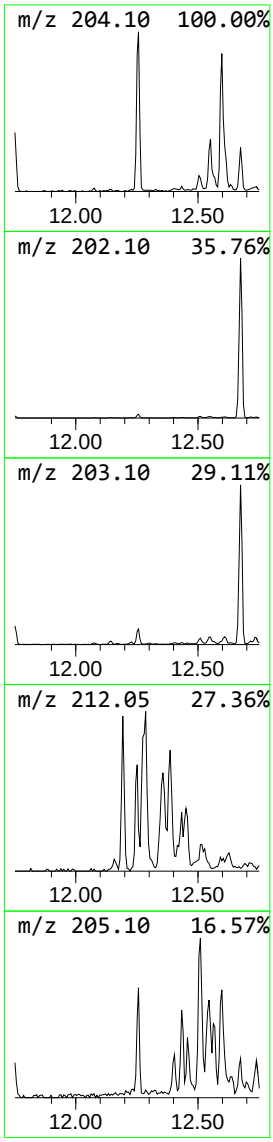
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	5.41 ng	204971	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	68
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





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Sample : N2609-07
Misc :
ALS Vial : 16 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

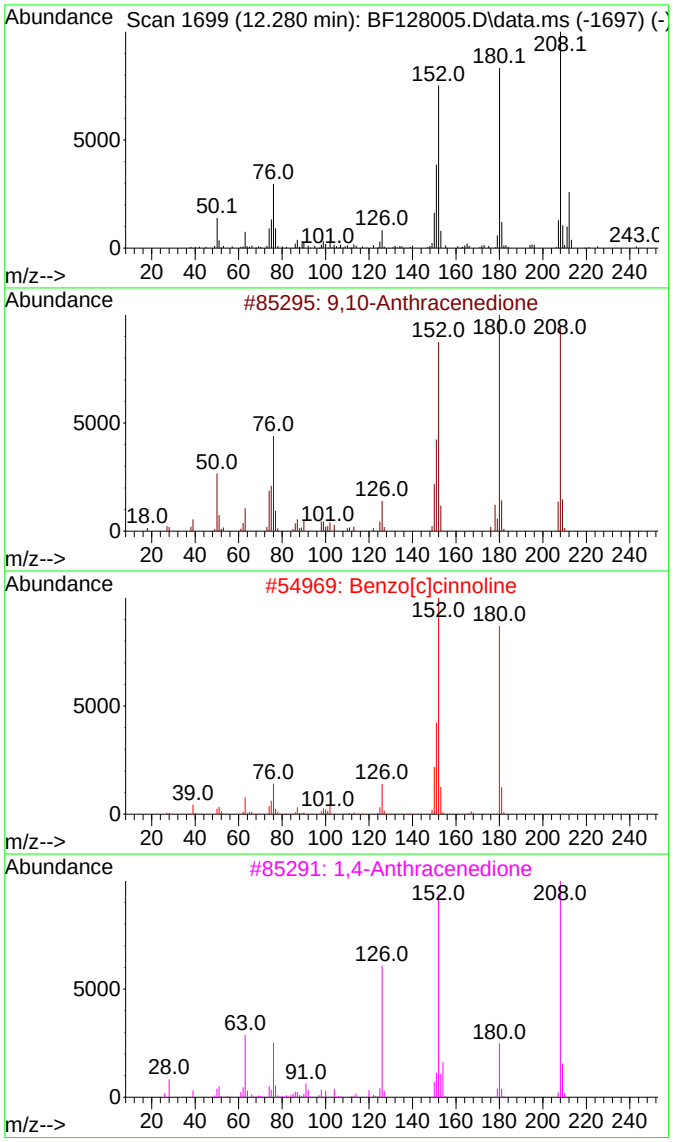
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

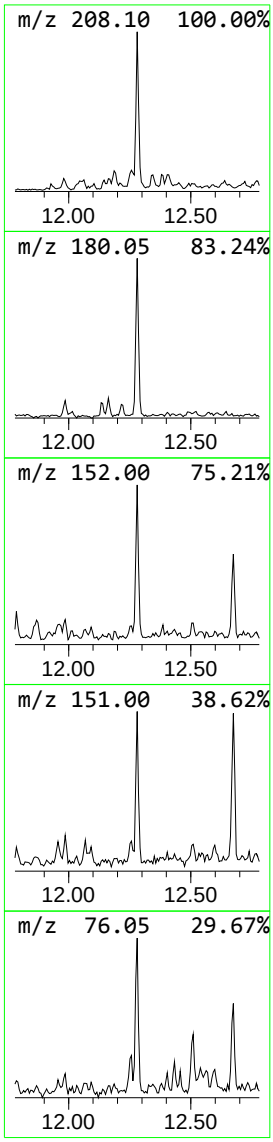
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.280	3.82 ng	144900	Phenanthrene-d10	11.457

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	53
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	38





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Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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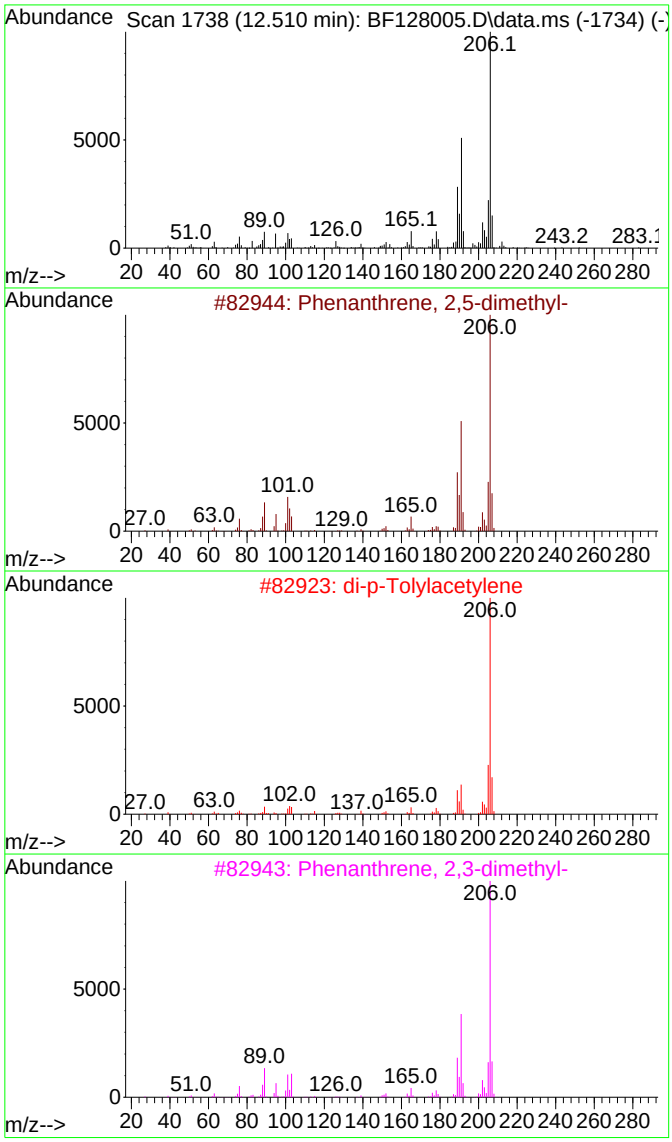
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

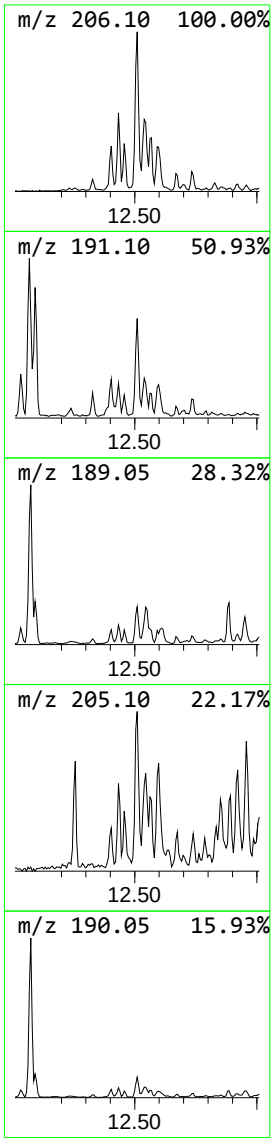
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	6.37 ng	241659	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Sample : N2609-07
Misc :
ALS Vial : 16 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

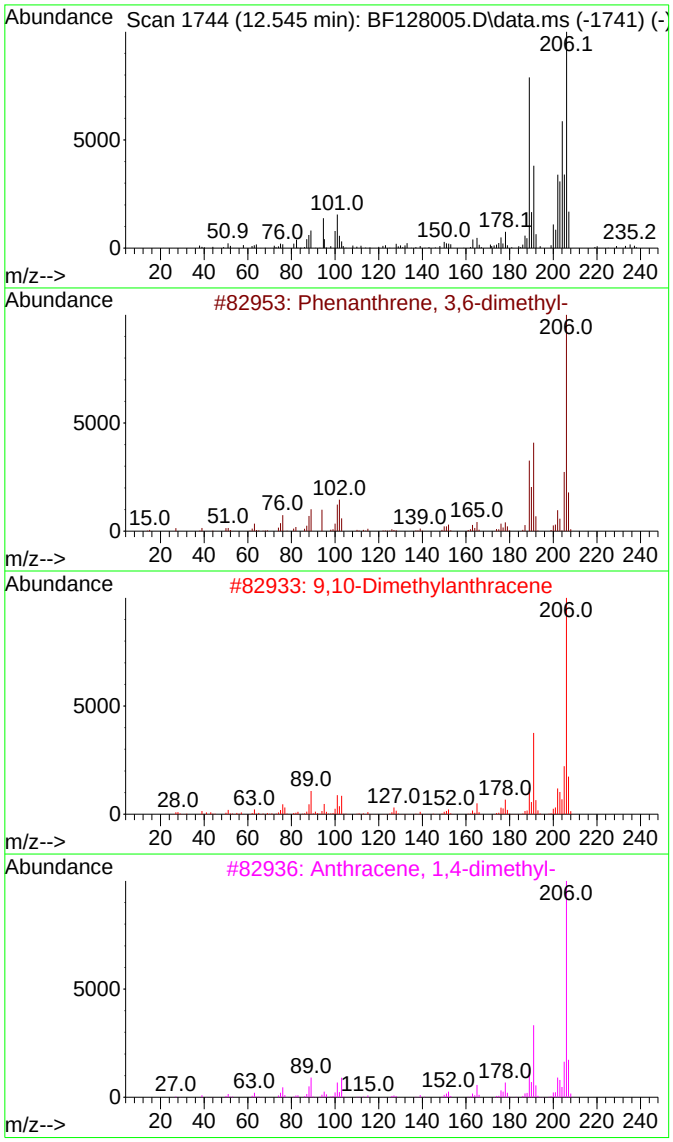
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

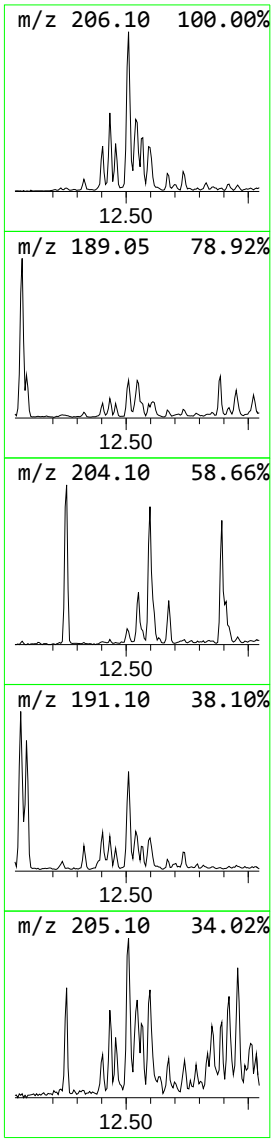
****

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	2.91 ng	110322	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	45
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	45
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	43





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Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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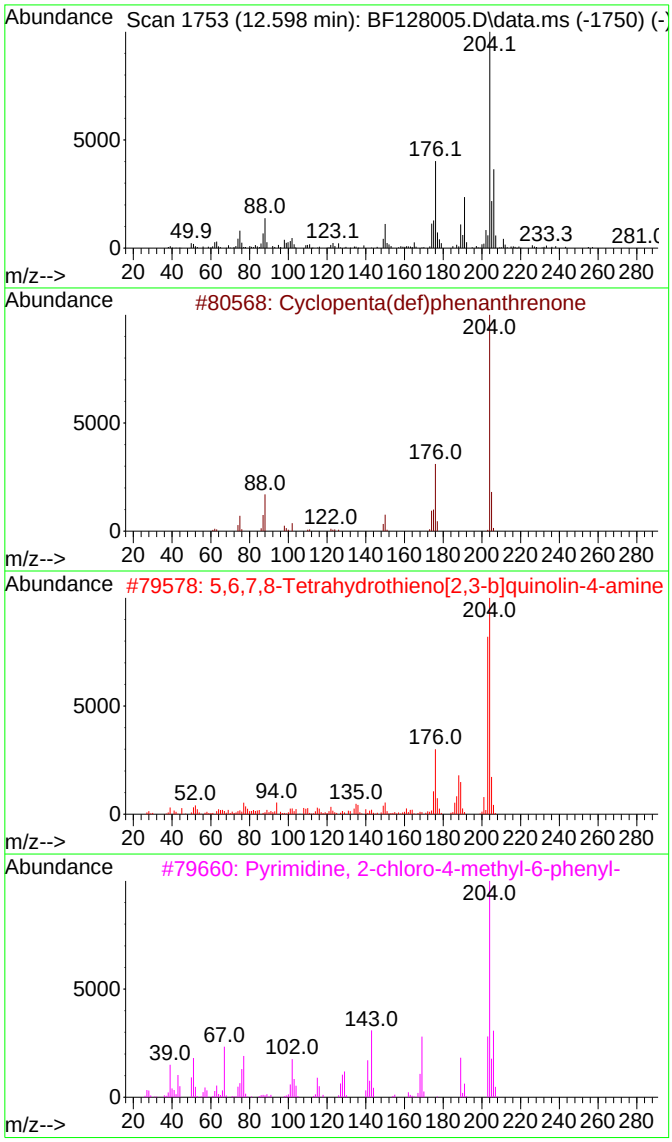
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

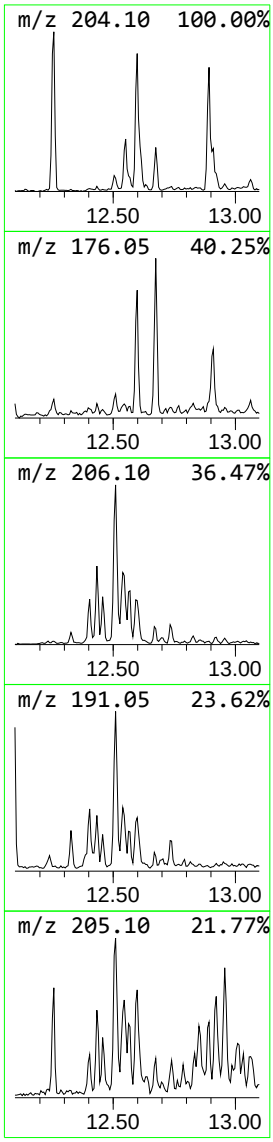
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.598	4.99 ng	189184	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43
4	3-(4-Fluorophenyl)-1-methylpyraz...	204	C11H9FN2O	689250-53-1	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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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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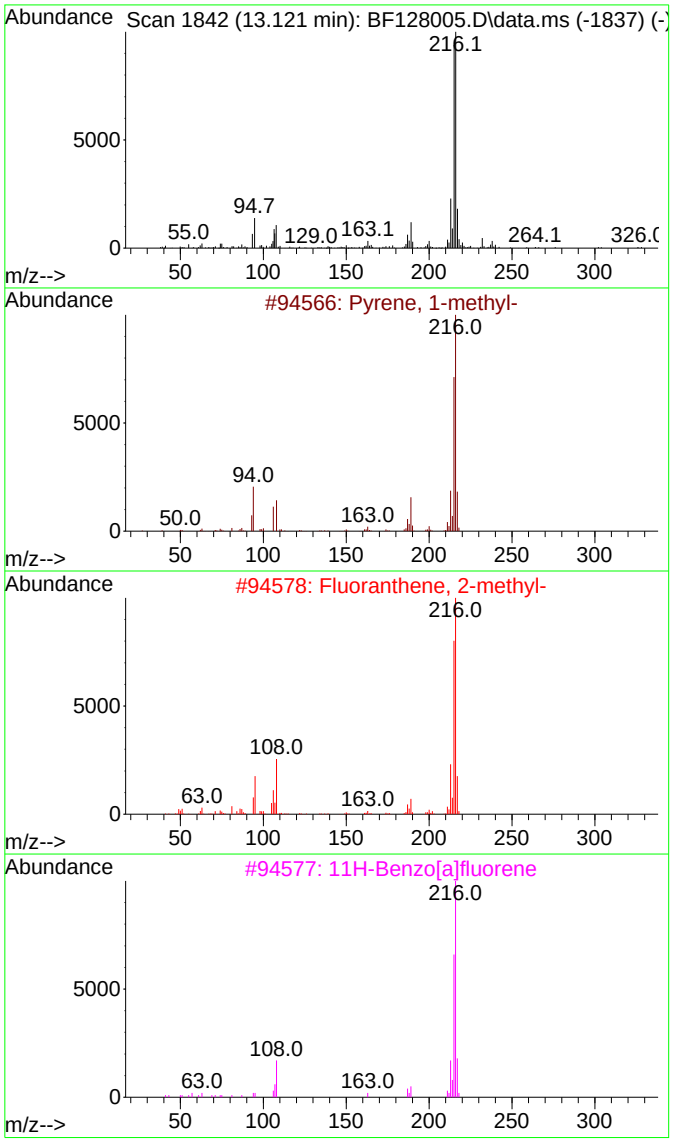
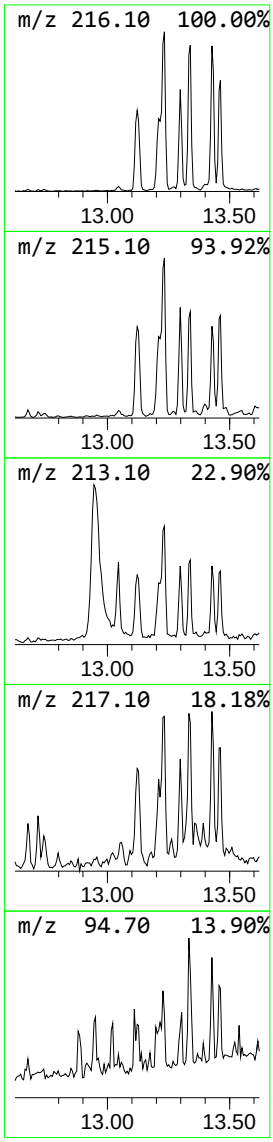
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	3.41 ng	267211	Chrysene-d12	14.110

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	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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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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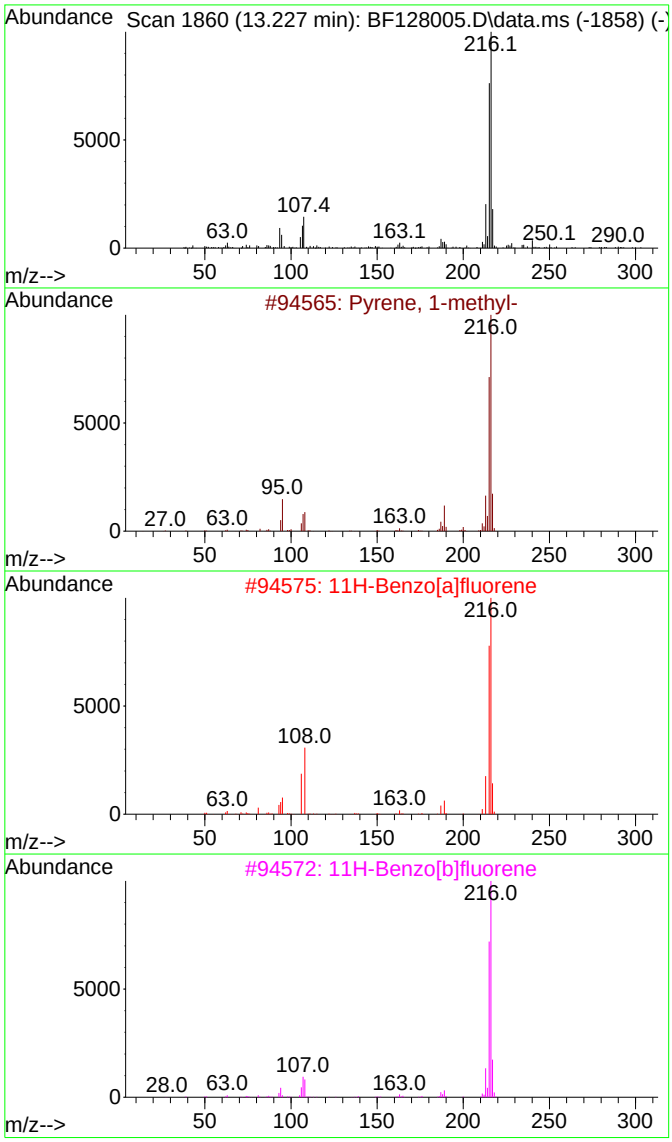
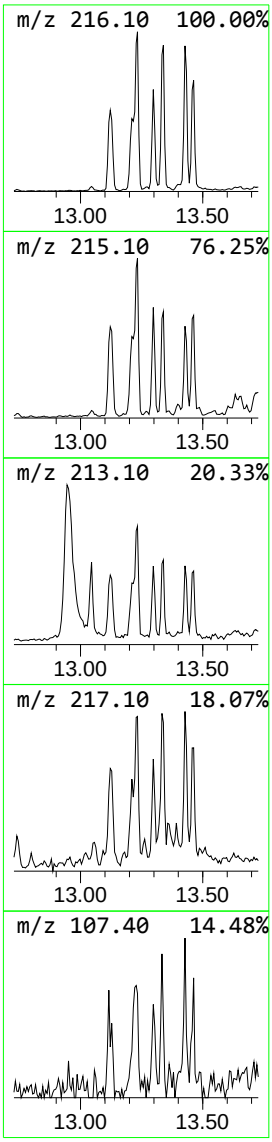
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.227	3.13 ng	244775	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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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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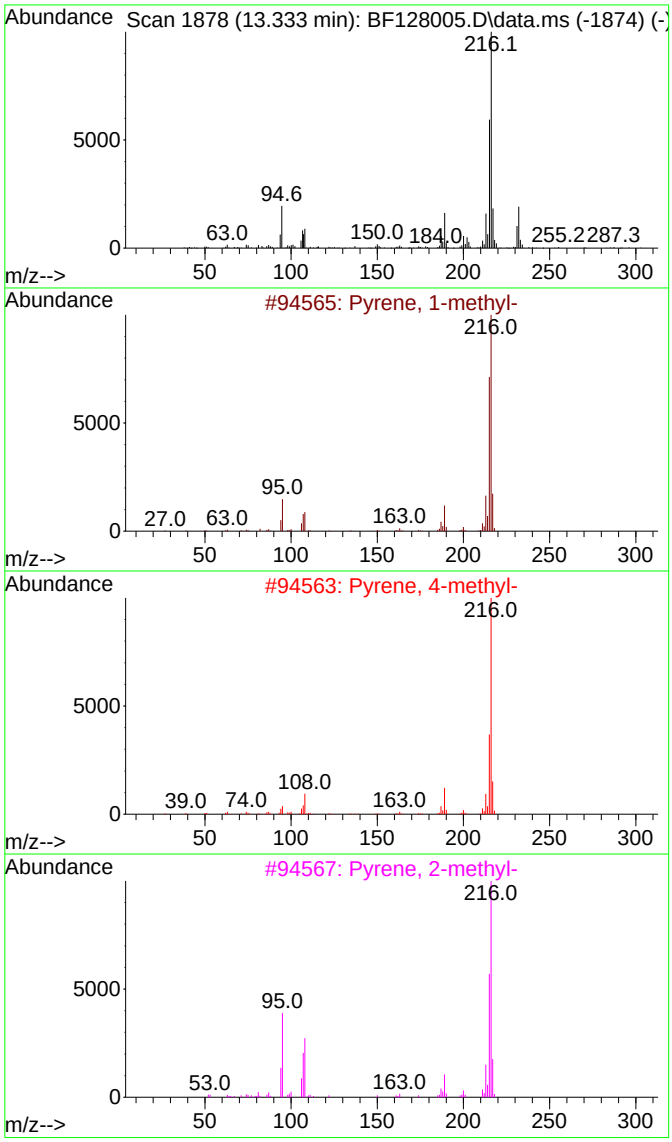
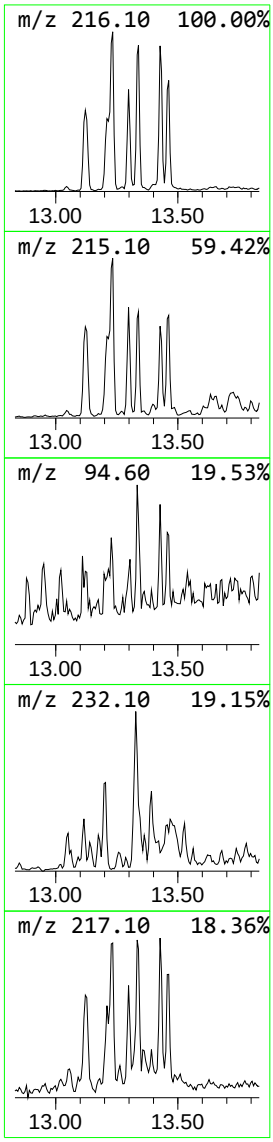
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.333	3.10 ng	242332	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





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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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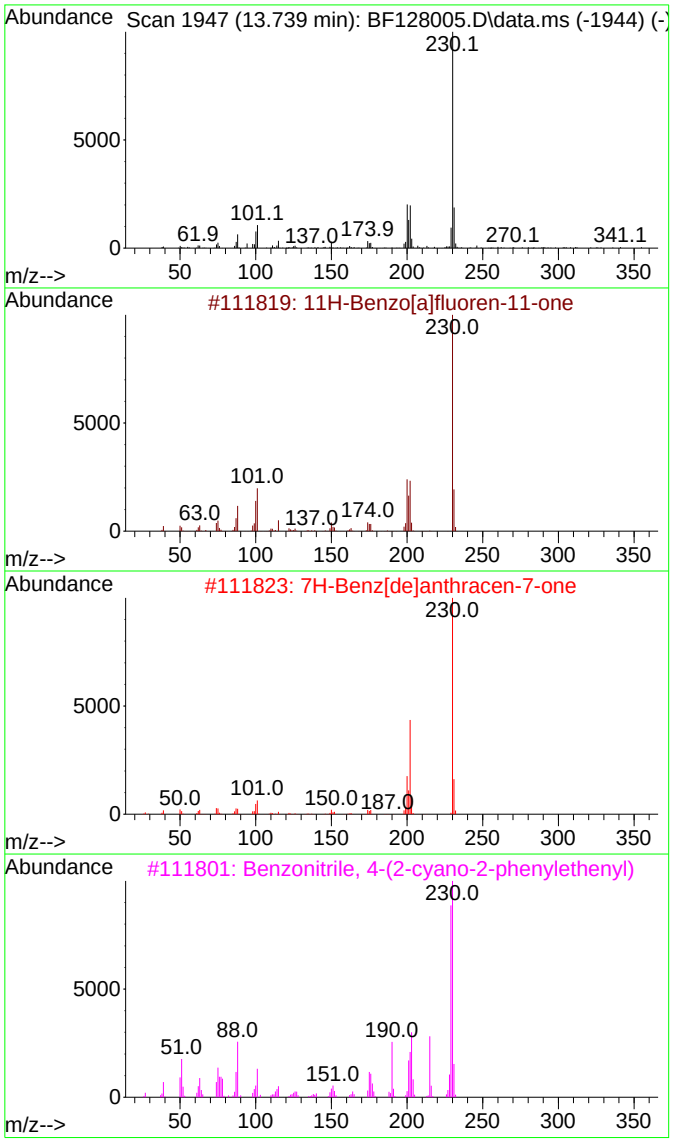
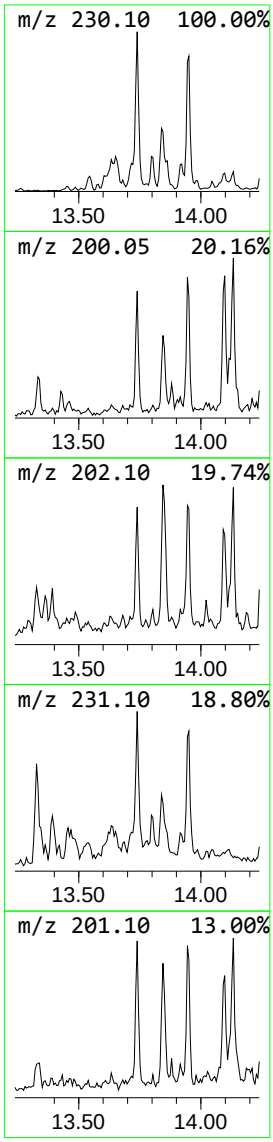
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.739	2.32 ng	181859	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	Benzonitrile, 4-(2-cyano-2-pheny...	230	C16H10N2	061469-58-7	59
4	o-Terphenyl	230	C18H14	000084-15-1	59
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	59





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Acq On : 29 Apr 2022 20:07
Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
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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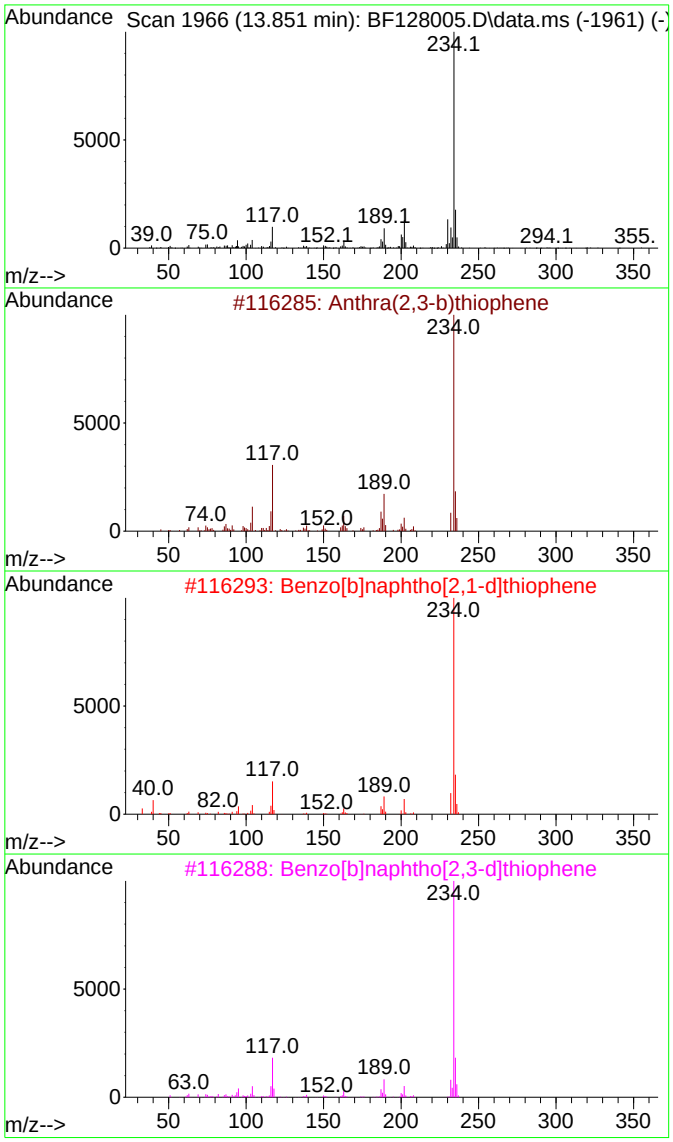
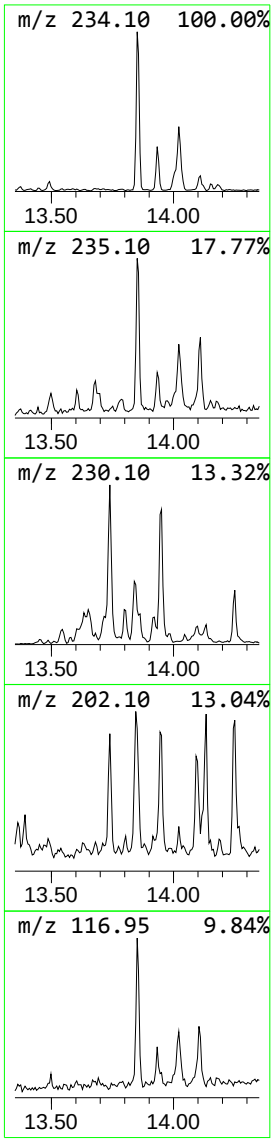
Peak Number 17 Anthra(2,3-b)thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.851	4.13 ng	323069	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
Acq On : 29 Apr 2022 20:07
Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

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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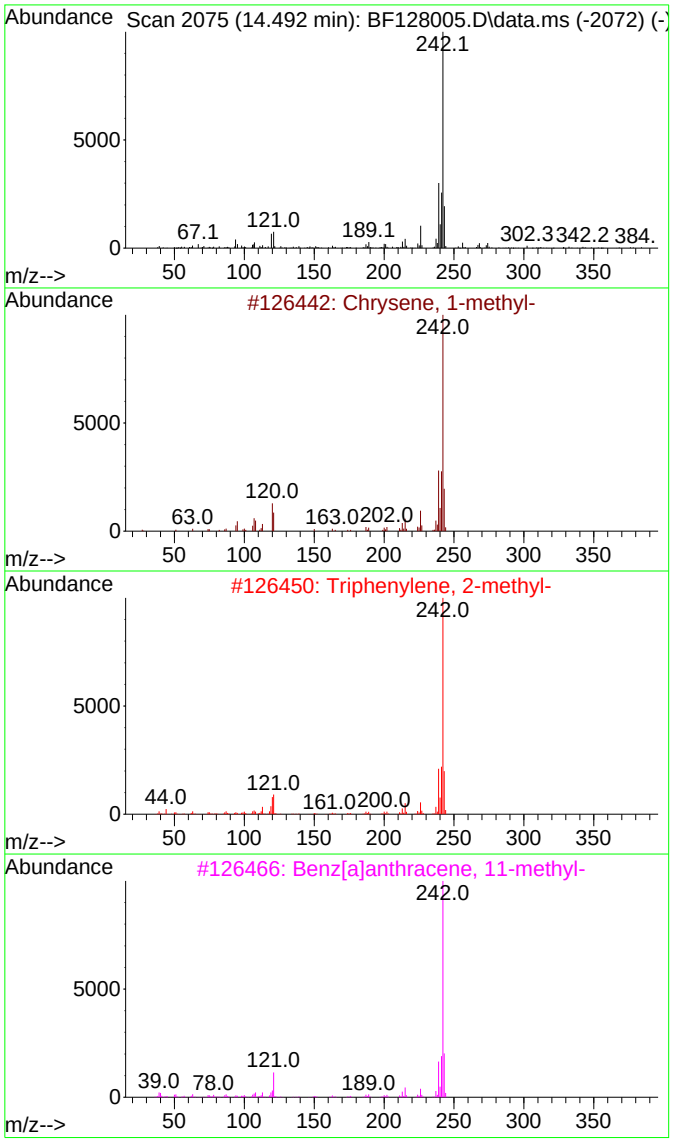
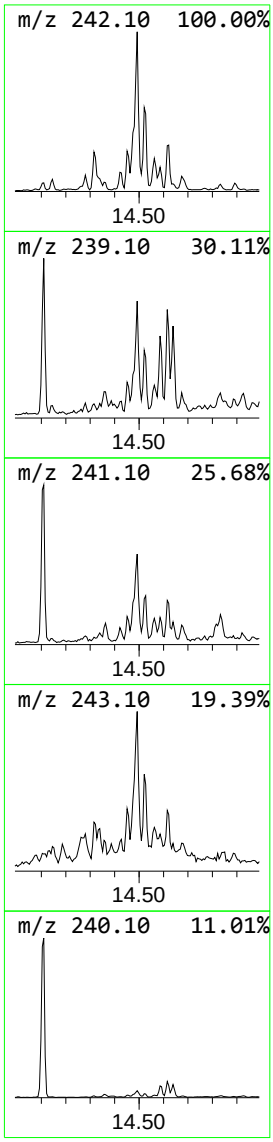
Peak Number 18 Chrysene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.492	2.62 ng	205411	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	87
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	81
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
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Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

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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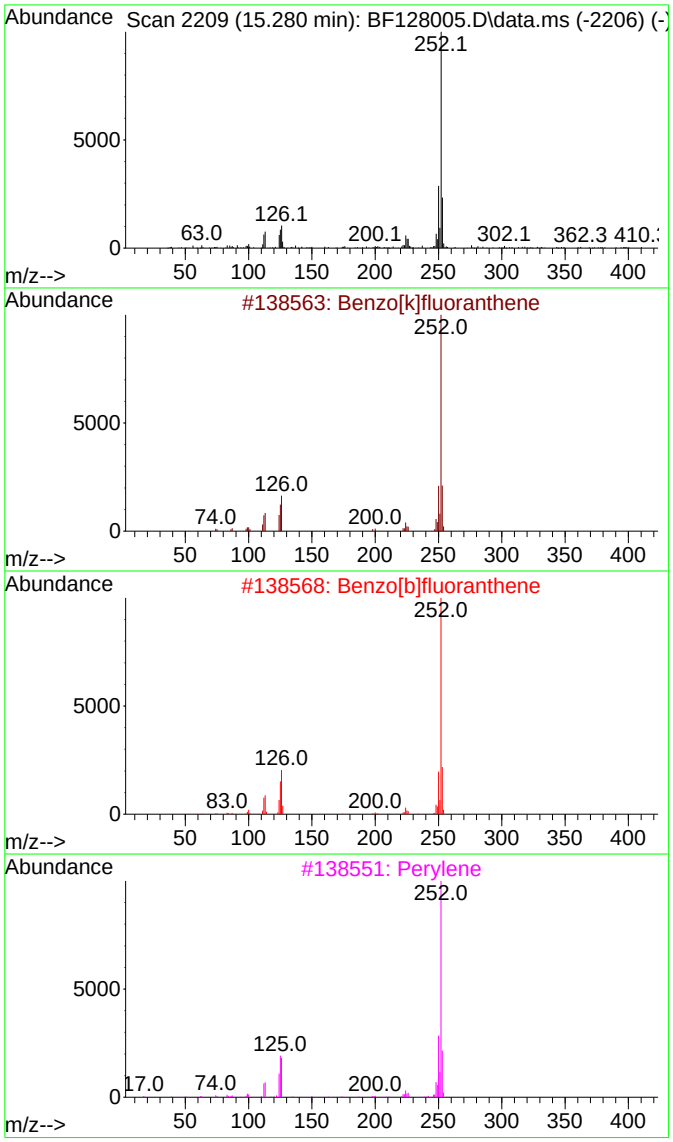
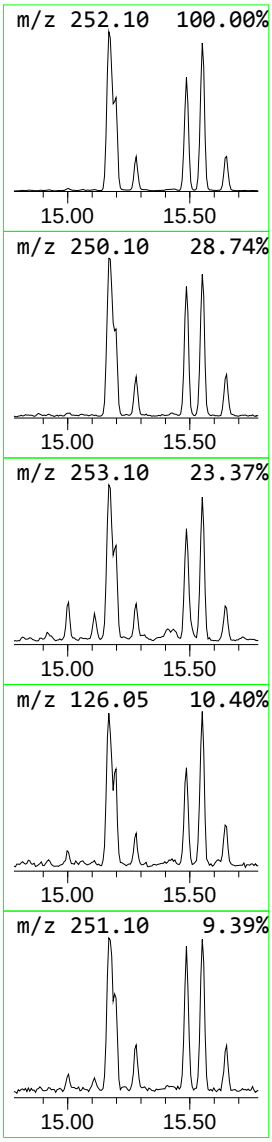
Peak Number 19 Perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	4.02 ng	109017	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[e]pyrene	252	C20H12	000192-97-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
Acq On : 29 Apr 2022 20:07
Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

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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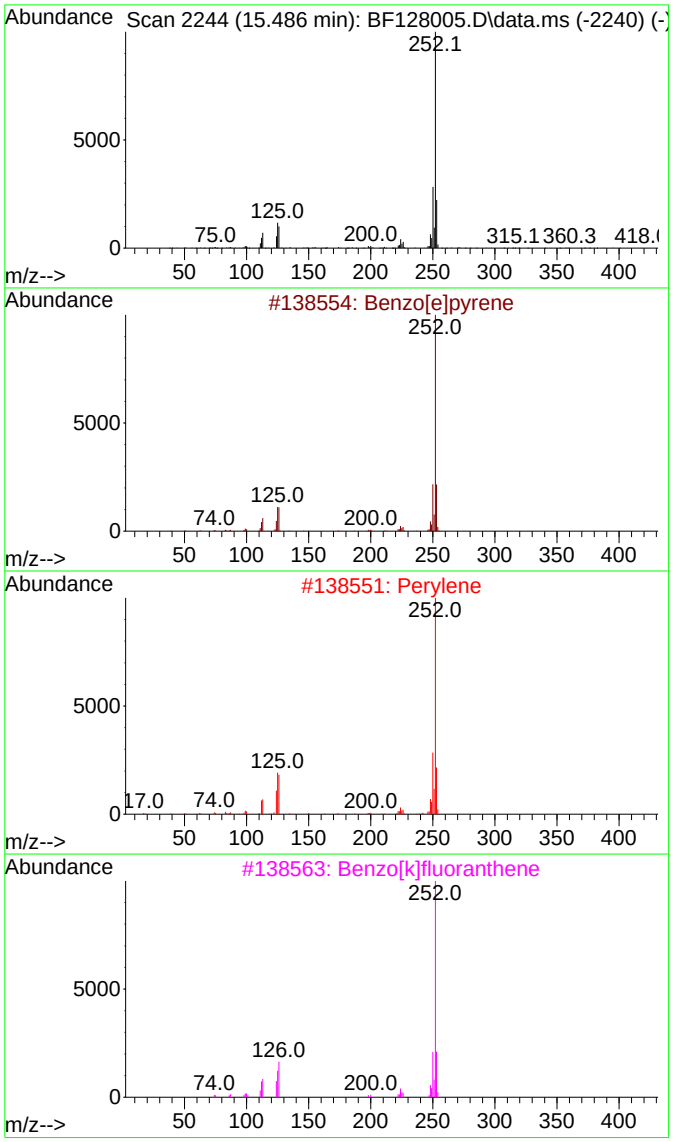
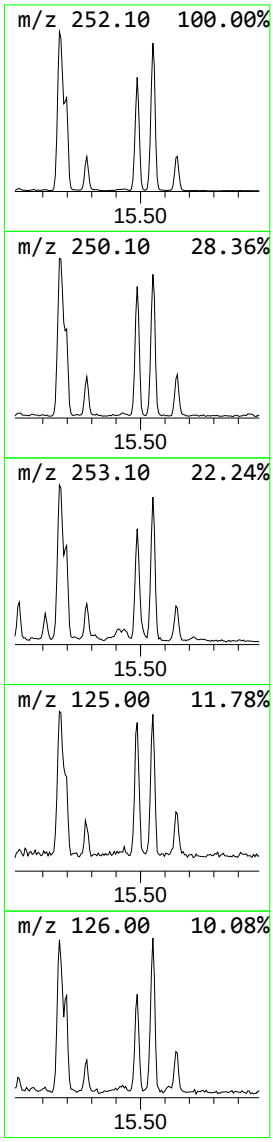
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.486	17.41 ng	471727	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
Acq On : 29 Apr 2022 20:07
Operator : CG\JU
Sample : N2609-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

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
Chamazulene	10.874	2.5	ng	94279	4	11.457	758312	20.0
Dibenzothiophene	11.351	2.8	ng	104691	4	11.457	758312	20.0
1-Methyldibenzo...	11.786	2.7	ng	103286	4	11.457	758312	20.0
Phenanthrene, 2...	11.957	9.6	ng	364305	4	11.457	758312	20.0
Anthracene, 2-m...	11.986	7.0	ng	264047	4	11.457	758312	20.0
4H-Cyclopenta[d...	12.069	10.5	ng	396570	4	11.457	758312	20.0
1H-Indene, 2-ph...	12.092	3.4	ng	130018	4	11.457	758312	20.0
Naphthalene, 2-...	12.251	5.4	ng	204971	4	11.457	758312	20.0
9,10-Anthracene...	12.280	3.8	ng	144900	4	11.457	758312	20.0
Phenanthrene, 2...	12.510	6.4	ng	241659	4	11.457	758312	20.0
Phenanthrene, 3...	12.545	2.9	ng	110322	4	11.457	758312	20.0
Cyclopenta(def)...	12.598	5.0	ng	189184	4	11.457	758312	20.0
Pyrene, 1-methyl-	13.121	3.4	ng	267211	5	14.110	1565800	20.0
11H-Benzo[a]flu...	13.227	3.1	ng	244775	5	14.110	1565800	20.0
Pyrene, 4-methyl-	13.333	3.1	ng	242332	5	14.110	1565800	20.0
11H-Benzo[a]flu...	13.739	2.3	ng	181859	5	14.110	1565800	20.0
Anthra(2,3-b)th...	13.851	4.1	ng	323069	5	14.110	1565800	20.0
Chrysene, 1-met...	14.492	2.6	ng	205411	5	14.110	1565800	20.0
Perylene	15.280	4.0	ng	109017	6	15.615	541963	20.0
Benzo[e]pyrene	15.486	17.4	ng	471727	6	15.615	541963	20.0