LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-3-083123

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-BF083023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135109.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	6	13	rVB2	32891	45726	2.23%	0.170%
2	5.004	492	496	504	rVB	33177	41986	2.05%	0.157%
3	5.404	559	564	567	rBV	2038772	1962563	95.61%	7.318%
4	6.410	730	735	738	rBV	2029637	1914727	93.28%	7.139%
5	6.604	765	768	773	rBV	44115	44235	2.16%	0.165%
6	6.769	793	796	800	rBV	663015	601181	29.29%	2.242%
7	7.334	887	892	895	rBV	1422299	1233421	60.09%	4.599%
8	7.786	964	969	975	rBV6	12315	22131	1.08%	0.083%
9	8.051	1008	1014	1017	rBV	975711	802634	39.10%	2.993%
10	8.763	1129	1135	1139	rBV2	89723	82725	4.03%	0.308%
11	8.863	1148	1152	1156	rVB	110464	93275	4.54%	0.348%
12	9.128	1193	1197	1201	rBV	2306214	2052578	100.00%	7.653%
13	9.210	1207	1211	1213	rBV3	22234	24529	1.20%	0.091%
14	9.245	1216	1217	1220	rVB	28685	22522	1.10%	0.084%
15	9.328	1228	1231	1236	rVB	24836	36724	1.79%	0.137%
16	9.392	1236	1242	1246	rBV2	60528	91504	4.46%	0.341%
17	9.469	1251	1255	1257	rBV	103680	105708	5.15%	0.394%
18	9.492	1257	1259	1264	rVB	67677	55893	2.72%	0.208%
19	9.580	1272	1274	1280	rVB	52003	57941	2.82%	0.216%
20	9.669	1286	1289	1293	rVB	68484	55774	2.72%	0.208%
21	9.810	1307	1313	1316	rBV	856521	776132	37.81%	2.894%
22	9.839	1316	1318	1322	rVB	299991	234822	11.44%	0.876%
23	9.916	1327	1331	1335	rBV2	37866	45562	2.22%	0.170%
24	9.963	1335	1339	1342	rBV2	28429	38288	1.87%	0.143%
25	10.010	1342	1347	1351	rVB	130280	130594	6.36%	0.487%
26	10.051	1351	1354	1357	rBV	42104	29944	1.46%	0.112%
27	10.127	1364	1367	1369	rBV	38627	38355	1.87%	0.143%
28	10.157	1369	1372	1374	rVB	29043	25137	1.22%	0.094%
29	10.216	1378	1382	1384	rVV2	30931	34449	1.68%	0.128%
30	10.245	1384	1387	1389	rVV2	32176	34144	1.66%	0.127%
31	10.310	1393	1398	1400	rVV4	20783	28984	1.41%	0.108%
32	10.357	1403	1406	1412	rVV	272880	252093	12.28%	0.940%
33	10.422	1412	1417	1419	rVV	52052	68263	3.33%	0.255%
34	10.445	1419	1421	1423	rVV2	54380	53353	2.60%	0.199%
35	10.469	1423	1425	1427	rVV2	47843	43394	2.11%	0.162%
36	10.516	1430	1433	1437	rVB	60627	62197	3.03%	0.232%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

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-BF083023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.598	1443	1447	1452	rBV	1185816	1028953	50.13%	3.837%
38	10.722	1465	1468	1475	rVB2	77217	100922	4.92%	0.376%
39	10.798	1476	1481	1487	rBV7	14971	33967	1.65%	0.127%
40	10.910	1493	1500	1502	rBV3	60195	84477	4.12%	0.315%
41	10.933	1502	1504	1508	rVV2	41610	40299	1.96%	0.150%
42	10.992	1511	1514	1516	rVB	30104	28488	1.39%	0.106%
43	11.039	1516	1522	1523	rBV5	18509	29601	1.44%	0.110%
44	11.104	1531	1533	1537	rVB2	28089	26864	1.31%	0.100%
45	11.151	1538	1541	1543	rVV3	26325	36658	1.79%	0.137%
46	11.174	1543	1545	1546	rVV	68237	53830	2.62%	0.201%
47	11.198	1546	1549	1555	rVB	142172	145296	7.08%	0.542%
48	11.304	1563	1567	1568	rBV	672808	617761	30.10%	2.303%
49	11.327	1568	1571	1574	rVV	1395225	1158399	56.44%	4.319%
50	11.374	1574	1579	1583	rVB	357695	324475	15.81%	1.210%
51	11.416	1583	1586	1588	rBV3	32763	36864	1.80%	0.137%
52	11.533	1601	1606	1609	rBV	91735	98446	4.80%	0.367%
53	11.598	1614	1617	1620	rBV	89691	83122	4.05%	0.310%
54	11.633	1620	1623	1628	rVB2	72643	72606	3.54%	0.271%
55	11.716	1634	1637	1641	rVB	42981	51296	2.50%	0.191%
56	11.763	1642	1645	1648	rVV4	23277	35437	1.73%	0.132%
57	11.804	1649	1652	1655	rVV	181247	183076	8.92%	0.683%
58	11.839	1655	1658	1663	rVV2	578205	610636	29.75%	2.277%
59	11.880	1663	1665	1668	rVV	108968	104774	5.10%	0.391%
60	11.916	1668	1671	1674	rVV	321355	348285	16.97%	1.299%
61	11.939	1674	1675	1680	rVB	131144	90845	4.43%	0.339%
62	12.010	1685	1687	1690	rVV	71257	62646	3.05%	0.234%
63	12.039	1690	1692	1695	rVB	32393	26909	1.31%	0.100%
64	12.104	1700	1703	1705	rVV	122861	113198	5.51%	0.422%
65	12.127	1705	1707	1711	rVB	56285	61276	2.99%	0.228%
66	12.233	1723	1725	1727	rBV	23895	24064	1.17%	0.090%
67	12.251	1727	1728	1731	rVV2	36207	27352	1.33%	0.102%
68	12.286	1731	1734	1735	rVV2	46984	45122	2.20%	0.168%
69	12.304	1735	1737	1740	rVB3	49474	52503	2.56%	0.196%
70	12.357	1743	1746	1749	rBV	109135	108731	5.30%	0.405%
71	12.398	1750	1753	1758	rVB3	99669	155900	7.60%	0.581%
72	12.445	1758	1761	1765	rBV2	61642	85311	4.16%	0.318%
73	12.521	1770	1774	1777	rBV	1418118	1270021	61.87%	4.735%
74	12.551	1777	1779	1787	rVV4	184149	261188	12.72%	0.974%
75	12.633	1789	1793	1797	rVV2	231276	272326	13.27%	1.015%
76	12.668	1797	1799	1803	rVV2	68204	84907	4.14%	0.317%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

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-BF083023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.751	1807	1813	1816	rBV	1201380	1261545	61.46%	4.704%
78	12.774	1816	1817	1819	rVV	84517	44447	2.17%	0.166%
79	12.804	1819	1822	1826	rVB2	48595	68274	3.33%	0.255%
80	12.868	1830	1833	1835	rBV2	62419	68999	3.36%	0.257%
81	12.898	1835	1838	1846	rVB	1791455	1560050	76.00%	5.817%
82	12.968	1846	1850	1854	rBV3	78466	133474	6.50%	0.498%
83	13.057	1862	1865	1867	rBV2	62346	84964	4.14%	0.317%
84	13.080	1867	1869	1872	rVB	231997	190580	9.28%	0.711%
85	13.151	1877	1881	1883	rVB	182731	182264	8.88%	0.680%
86	13.186	1883	1887	1889	rBV2	130420	131559	6.41%	0.491%
87	13.280	1900	1903	1905	rVB	71353	61977	3.02%	0.231%
88	13.310	1905	1908	1911	rBV	84093	79716	3.88%	0.297%
89	13.704	1972	1975	1978	rBV	98368	88807	4.33%	0.331%
90	13.733	1978	1980	1982	rVB	65268	48224	2.35%	0.180%
91	13.815	1990	1994	2000	rVB5	103527	152312	7.42%	0.568%
92	13.957	2013	2018	2021	rBV2	750862	1162627	56.64%	4.335%
93	13.986	2021	2023	2029	rVB	508658	432354	21.06%	1.612%
94	14.063	2034	2036	2038	rVB	123528	87479	4.26%	0.326%
95	14.380	2088	2090	2093	rBV	64933	44419	2.16%	0.166%
96	14.439	2098	2100	2103	rBV2	65620	67513	3.29%	0.252%
97	15.004	2191	2196	2198	rBV	363758	527392	25.69%	1.966%
98	15.304	2244	2247	2252	rVB	203902	252008	12.28%	0.940%
99	15.362	2254	2257	2263	rBV	298089	368503	17.95%	1.374%
100	15.427	2264	2268	2271	rBV	326461	400212	19.50%	1.492%

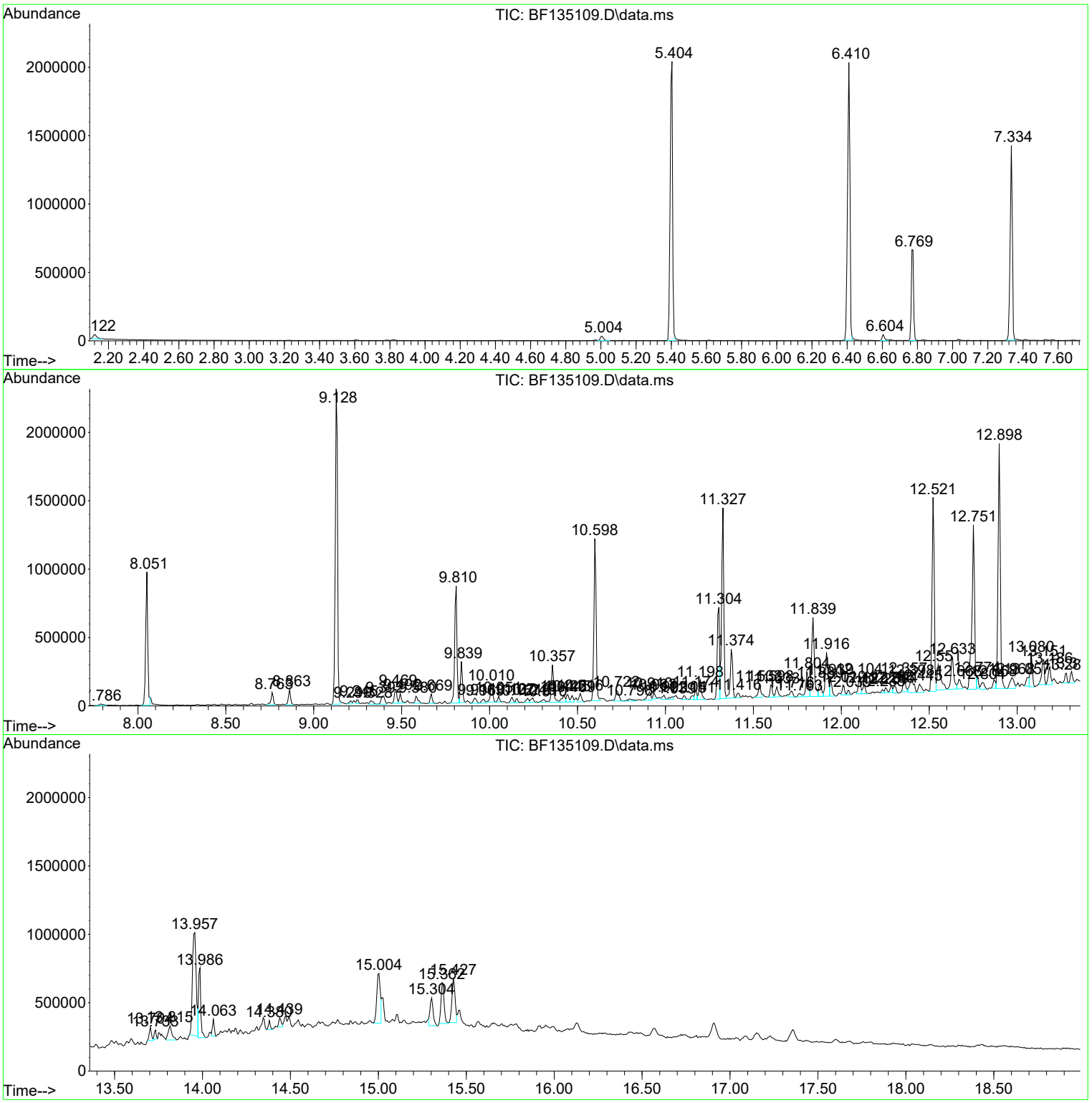
Sum of corrected areas: 26820018

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
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Instrument :
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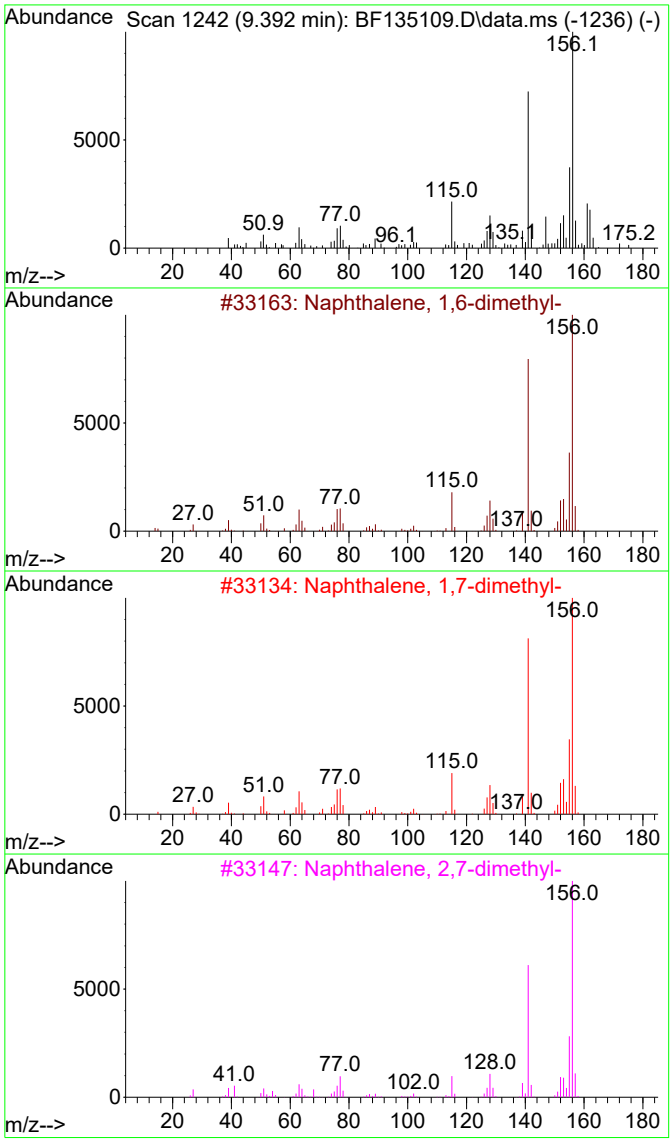
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

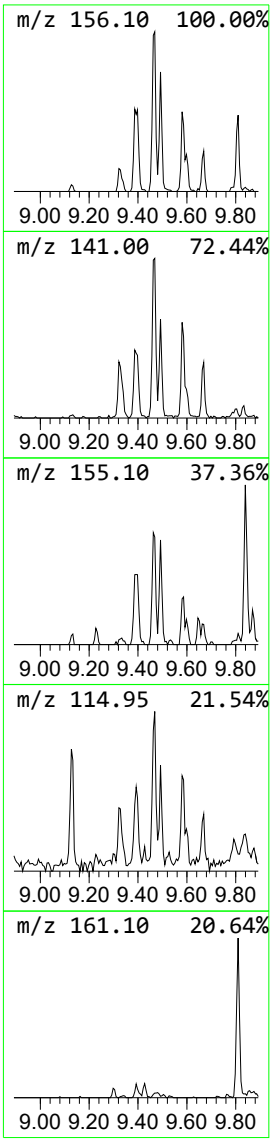
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.392	2.36 ng	91504	Acenaphthene-d10	9.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

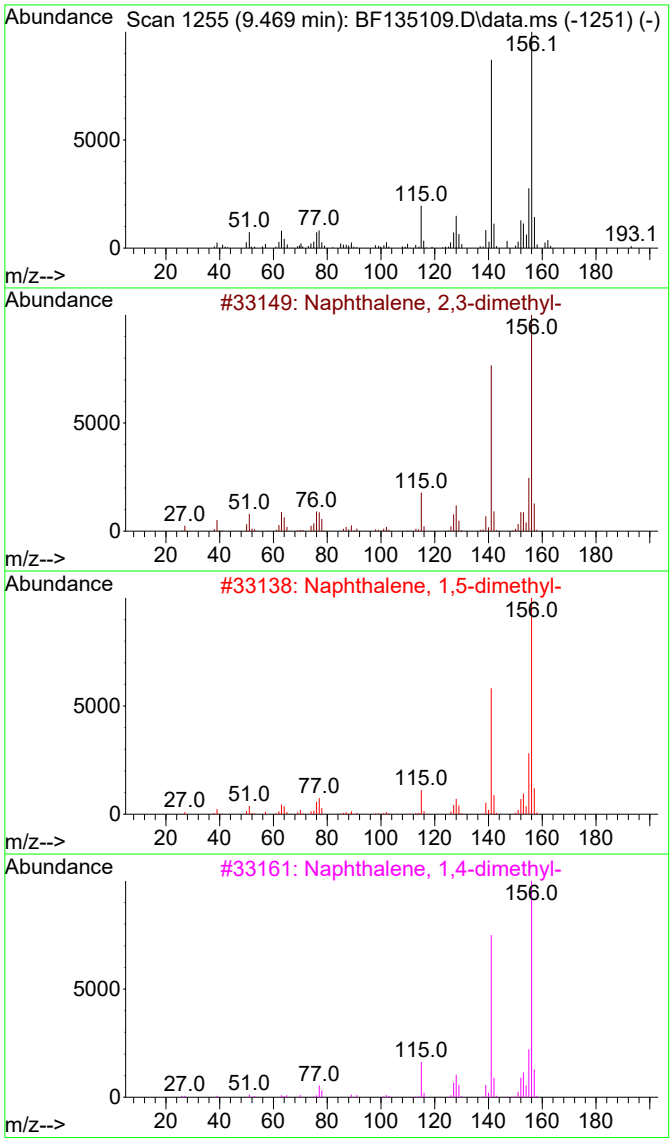
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

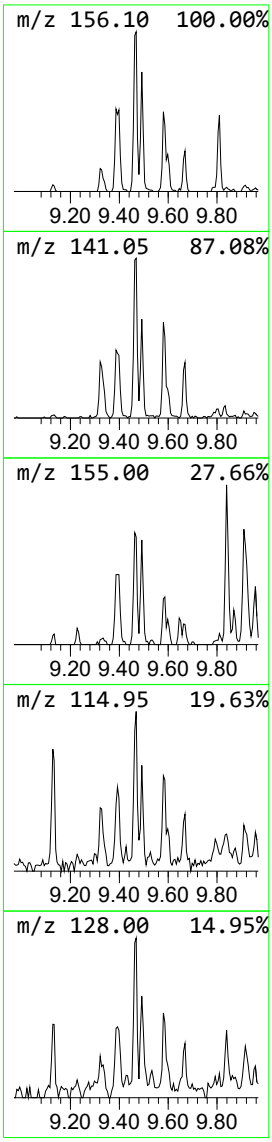
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.469	2.72 ng	105708	Acenaphthene-d10	9.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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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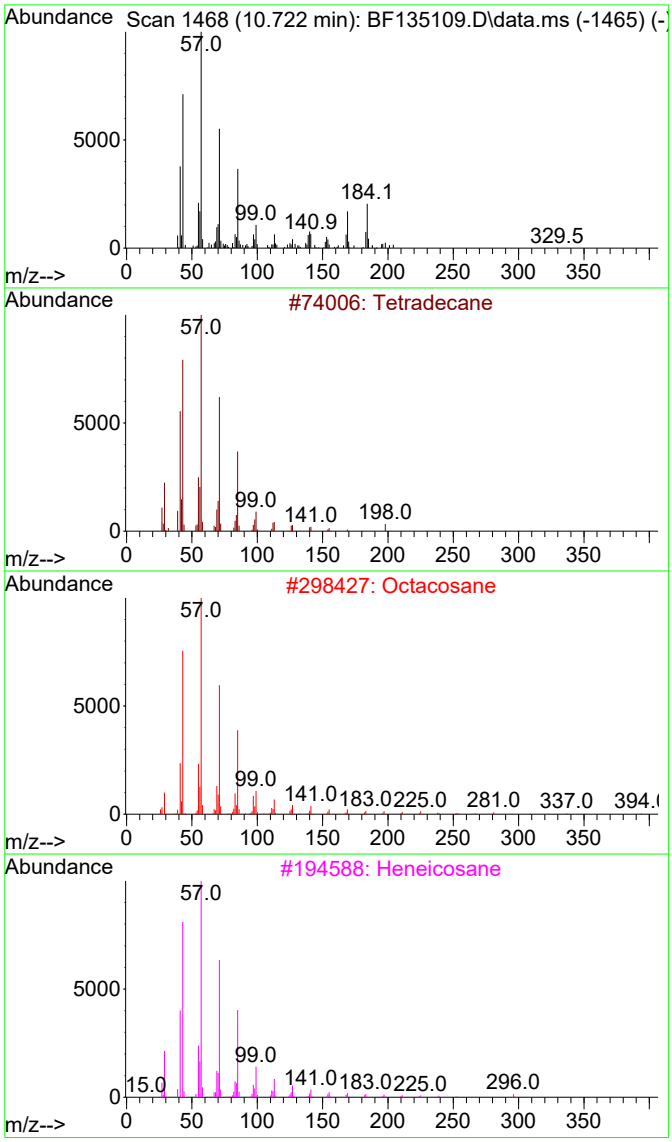
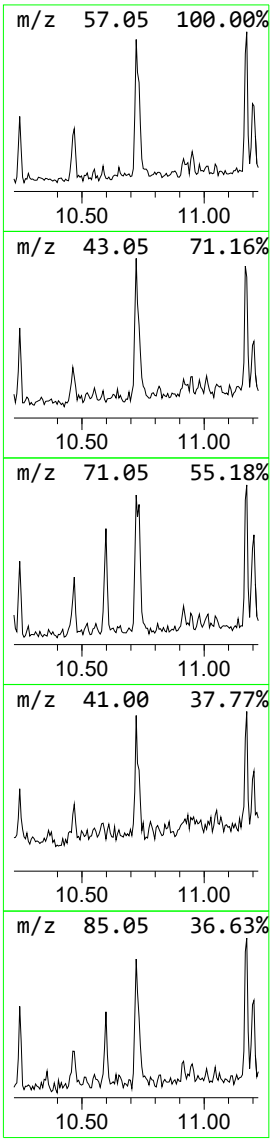
Peak Number 3 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.722	3.27 ng	100922	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Octacosane	394	C28H58	000630-02-4	62
3	Heneicosane	296	C21H44	000629-94-7	62
4	Octadecane	254	C18H38	000593-45-3	58
5	Heptacosane	380	C27H56	000593-49-7	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

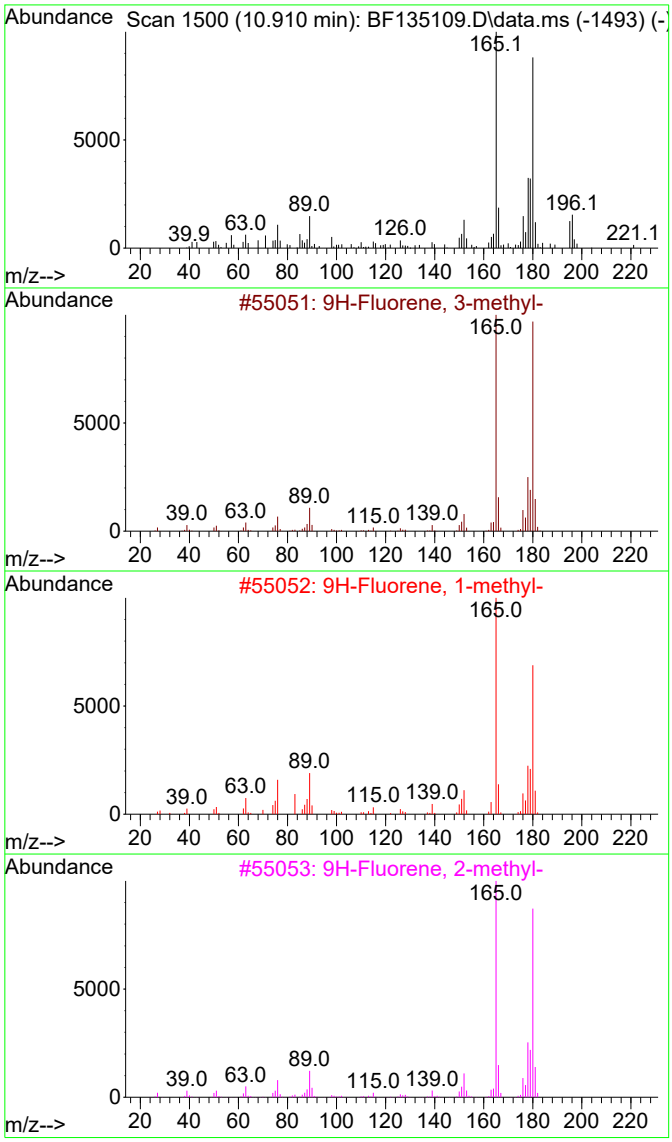
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

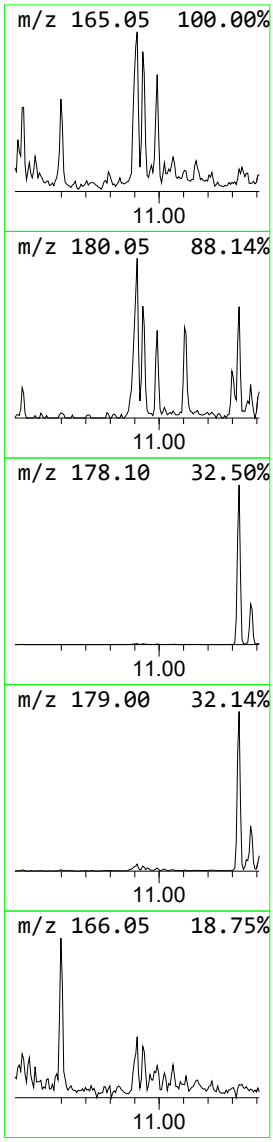
****

Peak Number 4 9H-Fluorene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.910	2.73 ng	84477	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

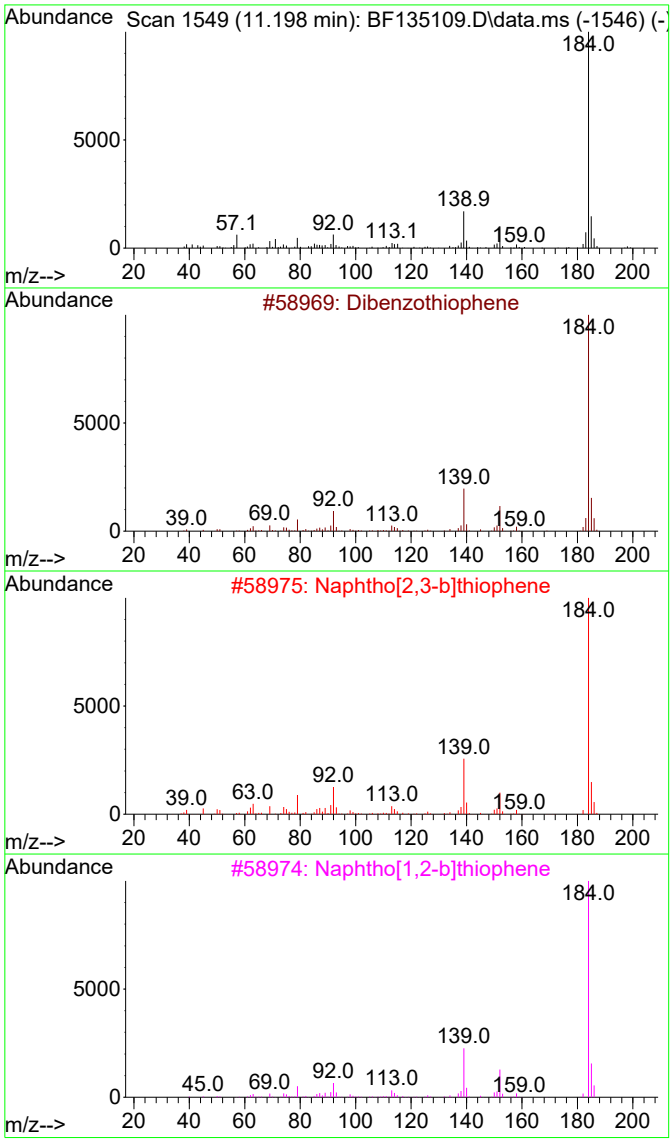
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

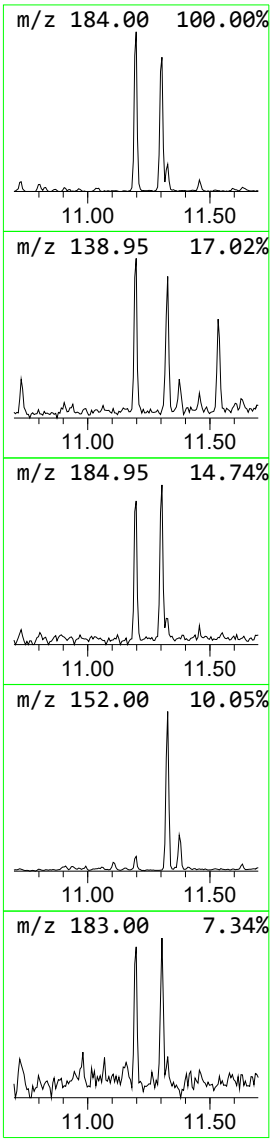
****

Peak Number 5 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.198	4.70 ng	145296	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-3-083123

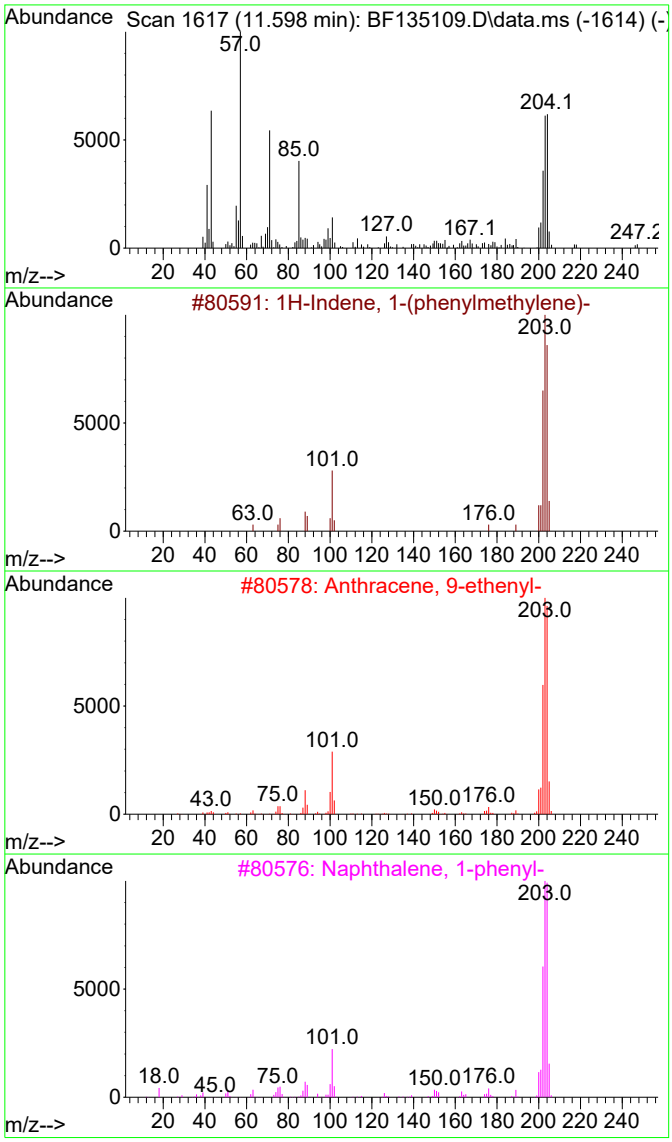
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

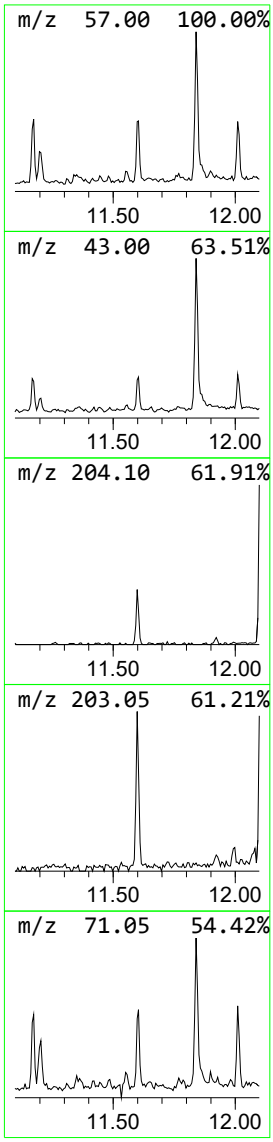
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 1-(phenylmethyle... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.598	2.69 ng	83122	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	60
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	46
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
4	Naphthalene, 1,8-di-1-propynyl-	204	C16H12	022360-77-6	38
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	38





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Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

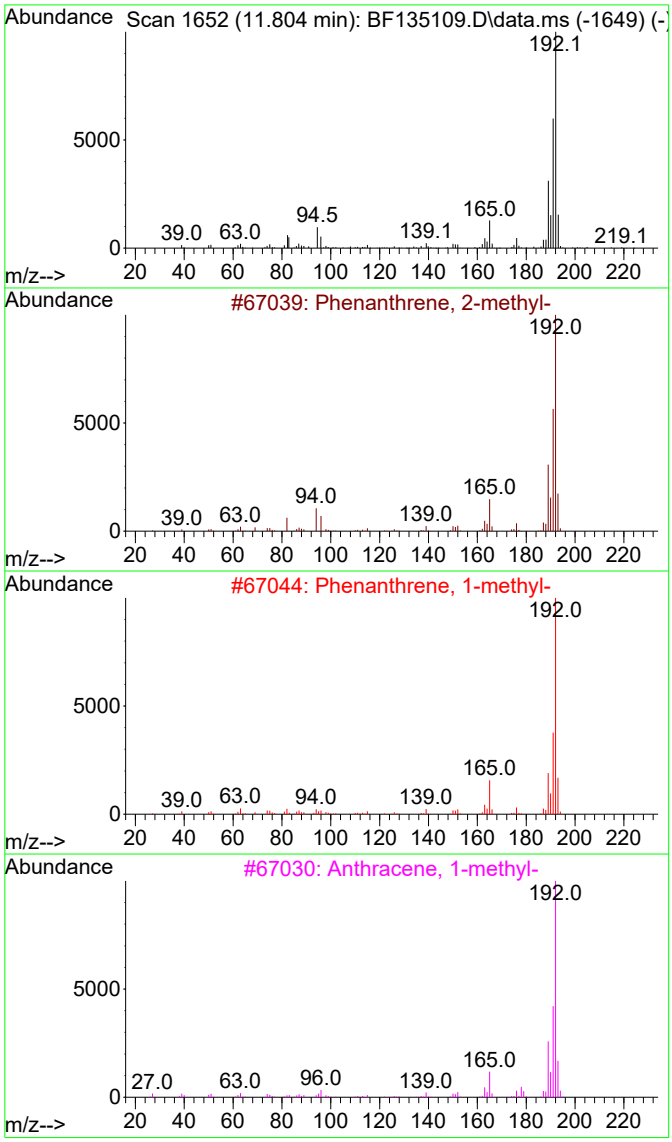
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

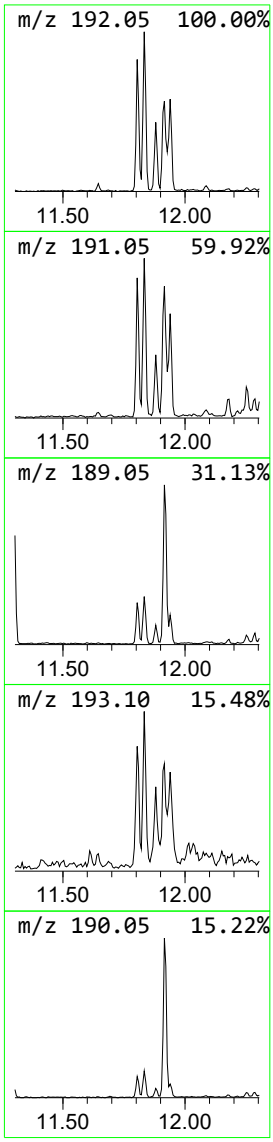
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	5.93 ng	183076	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

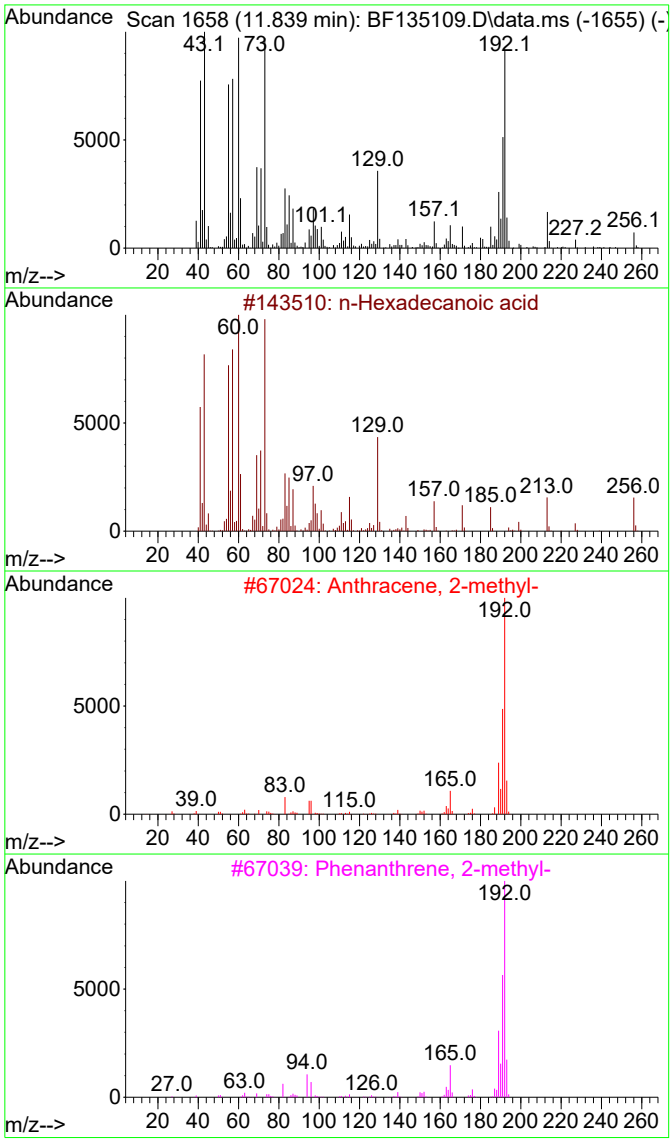
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

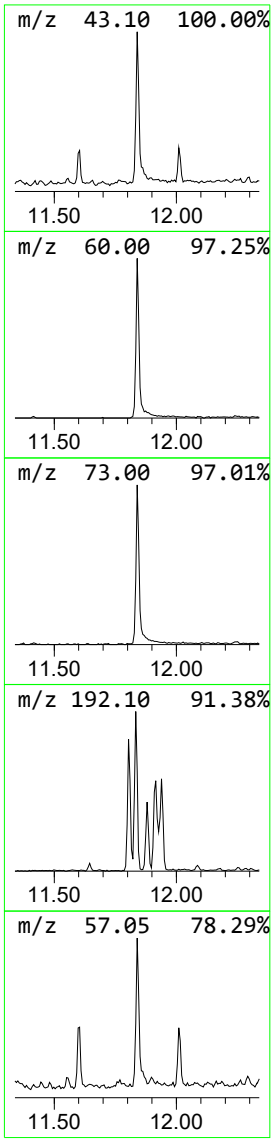
****

Peak Number 8 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	19.77 ng	610636	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74





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Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-3-083123

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

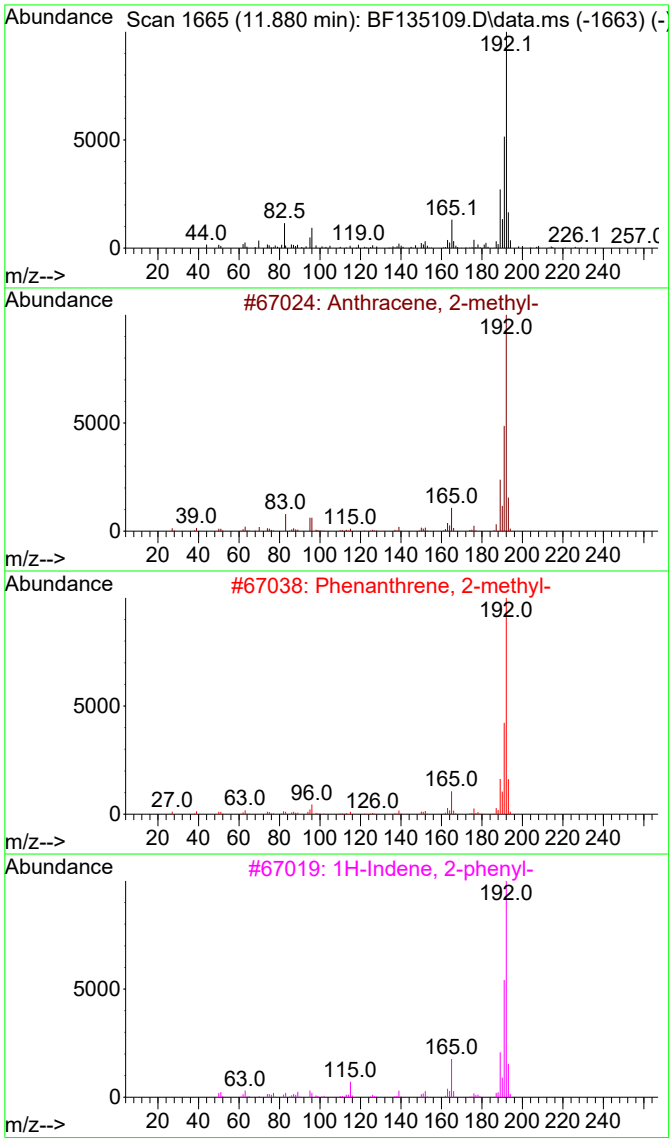
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

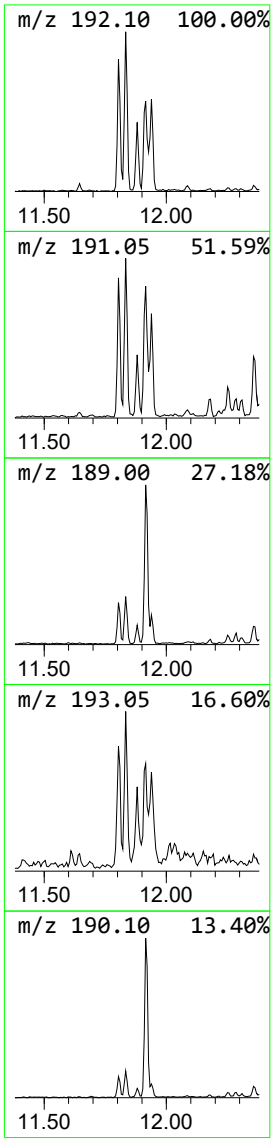
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	3.39 ng	104774	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-3-083123

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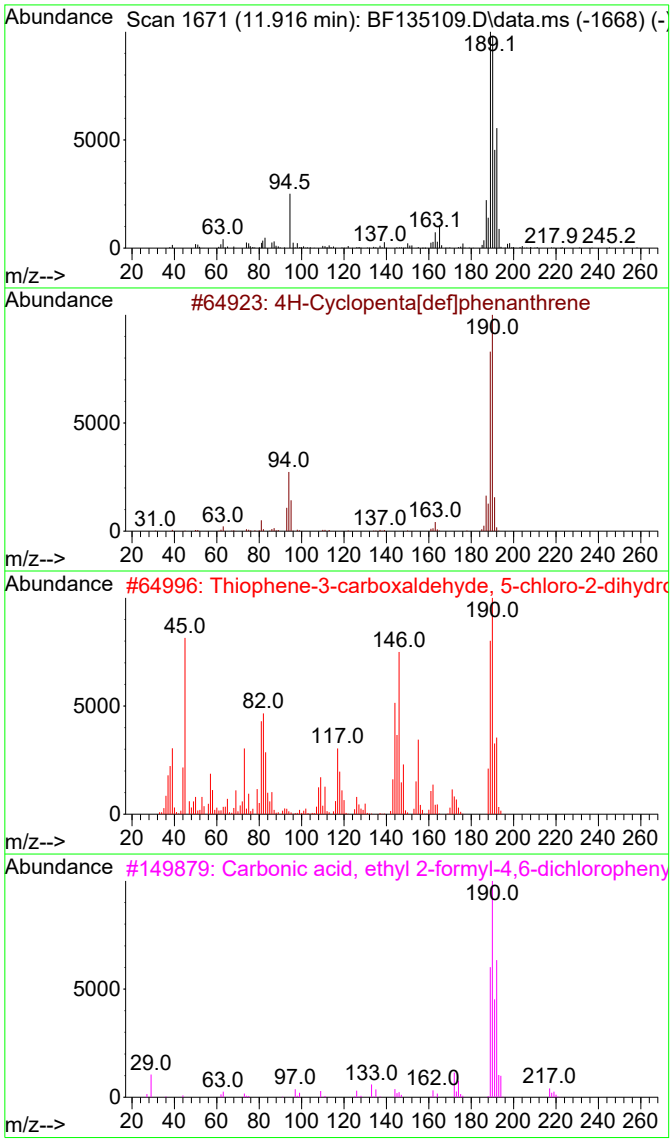
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

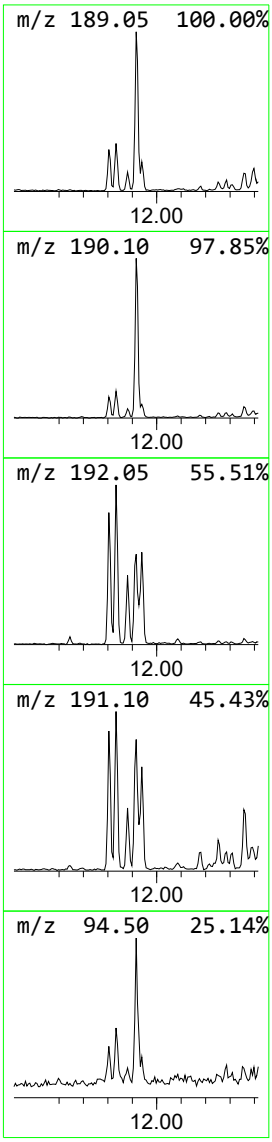
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	11.28 ng	348285	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18





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Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-3-083123

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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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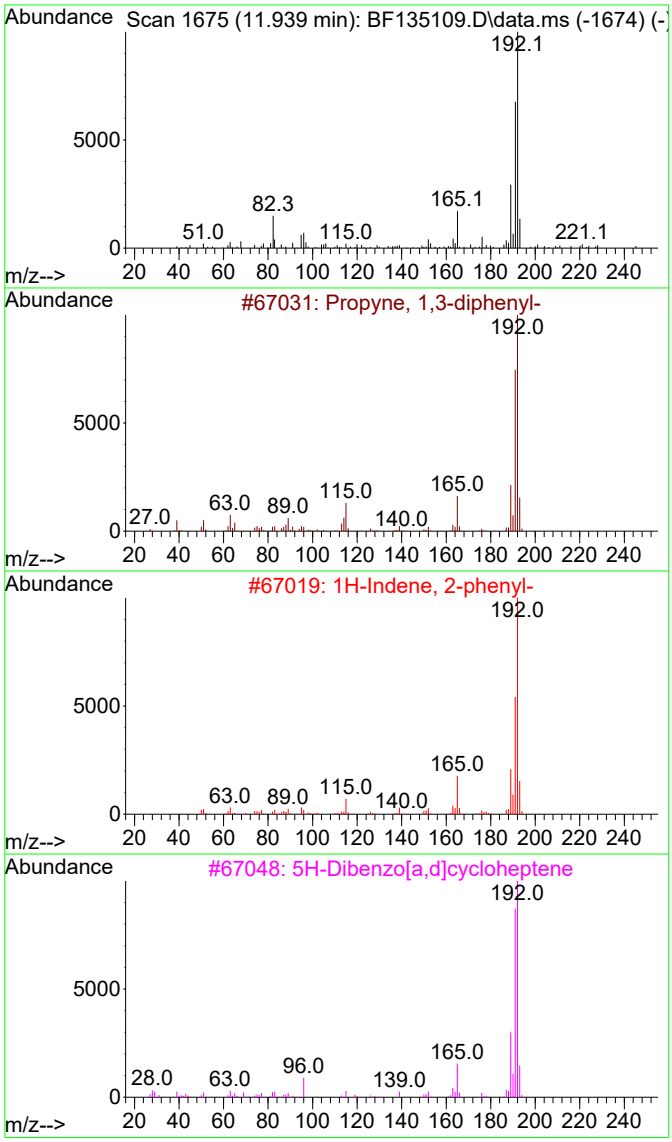
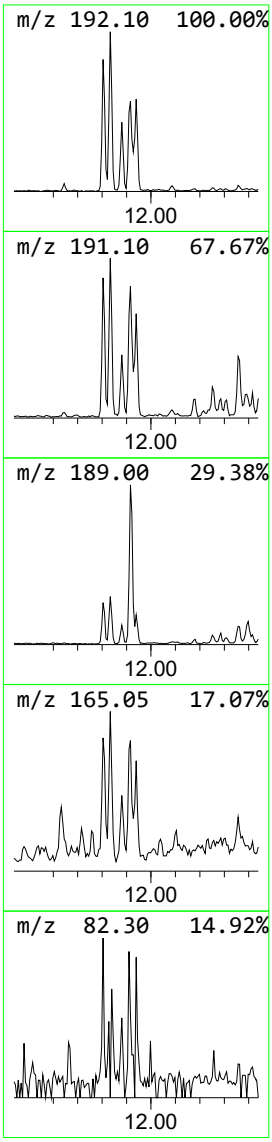
Peak Number 11 Propyne, 1,3-diphenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	2.94 ng	90845	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	83
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	76
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74





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Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

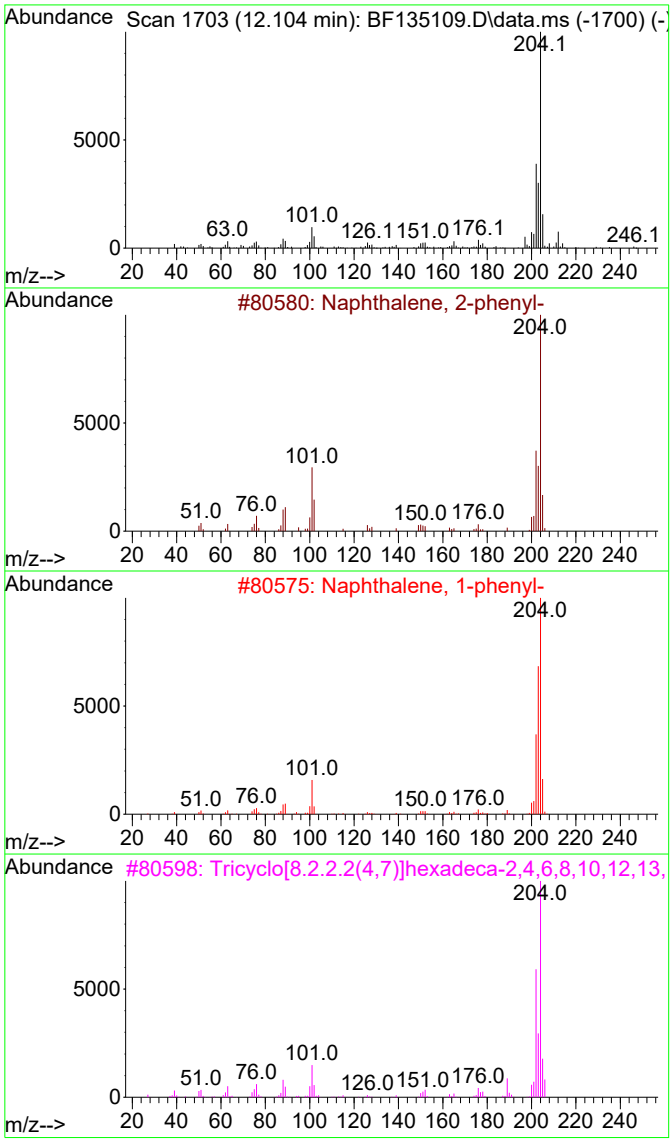
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

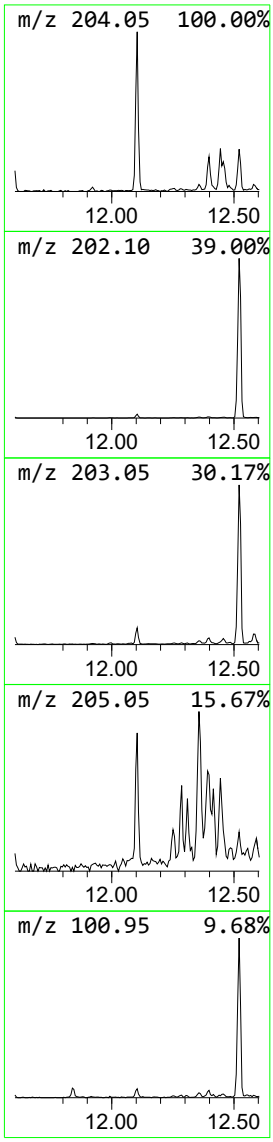
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	3.66 ng	113198	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	47





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Misc :
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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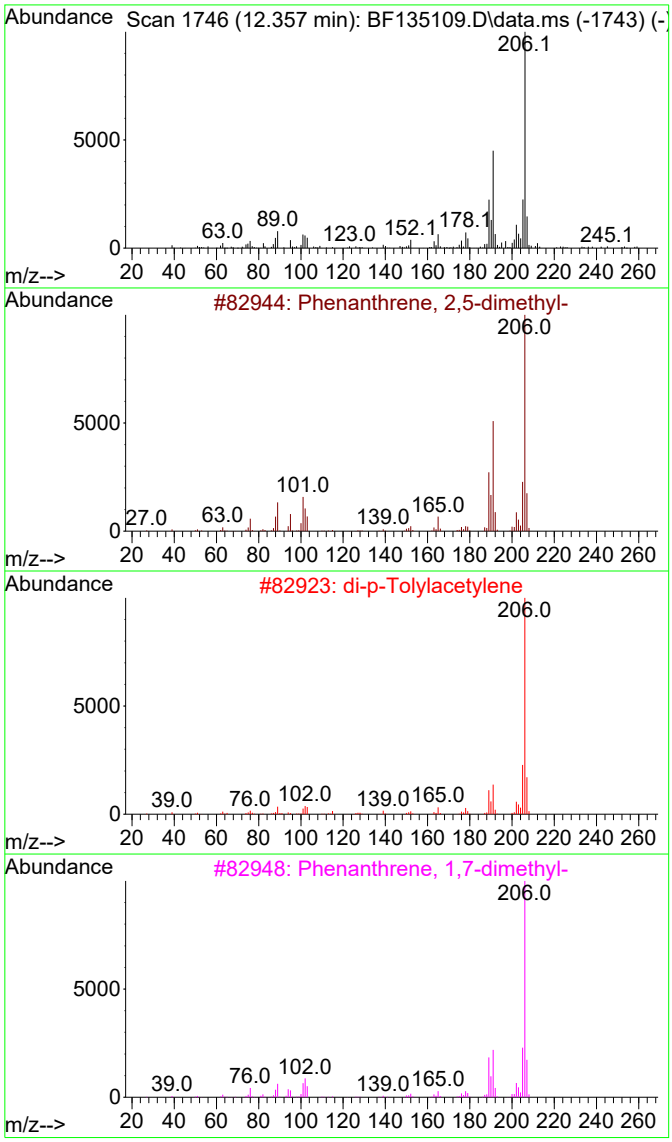
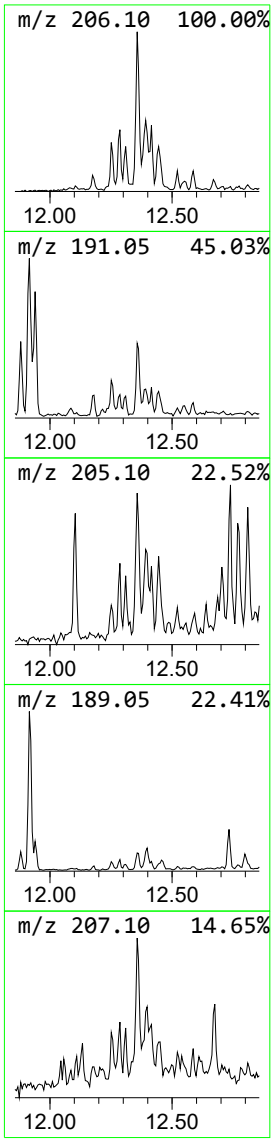
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	3.52 ng	108731	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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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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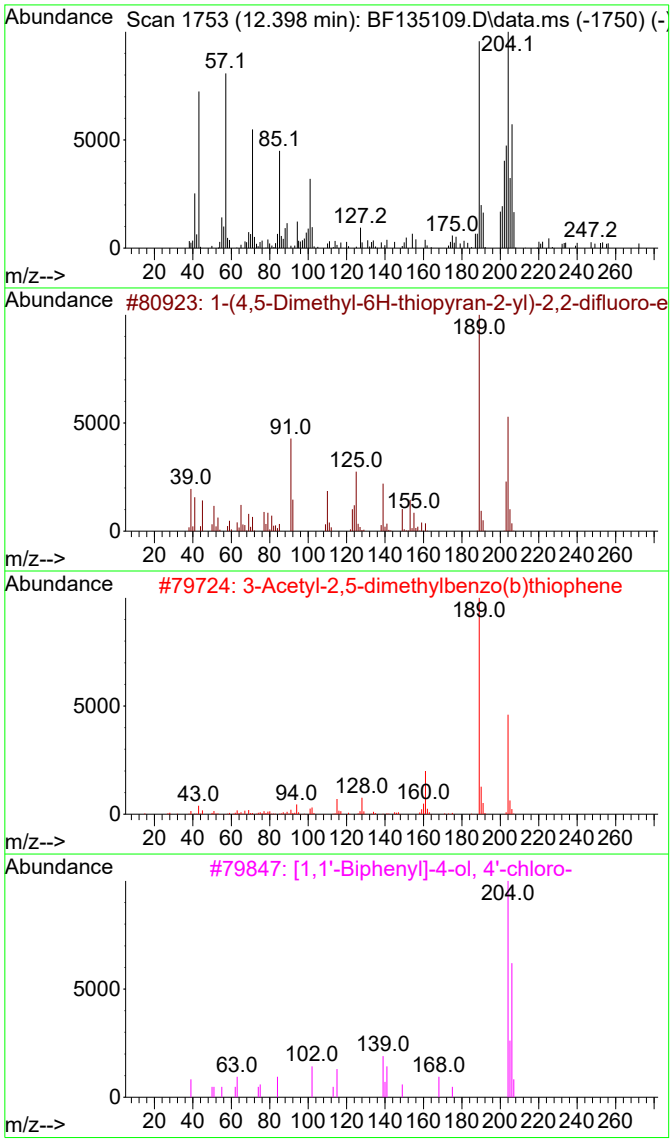
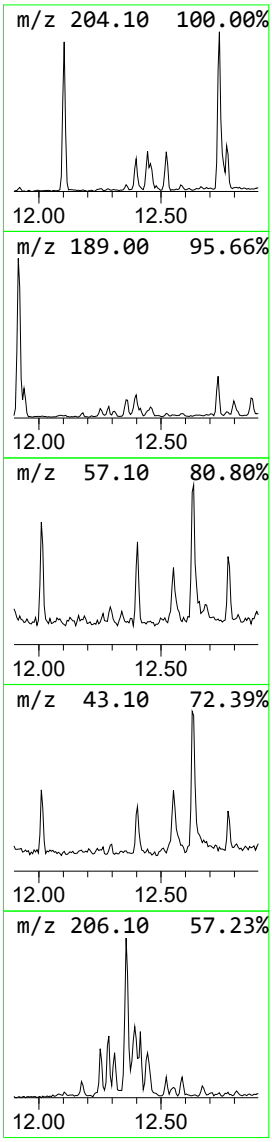
Peak Number 14 unknown12.398 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	5.05 ng	155900	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	46
2	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	38
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	22
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	22
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	18





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ALS Vial : 20 Sample Multiplier: 1

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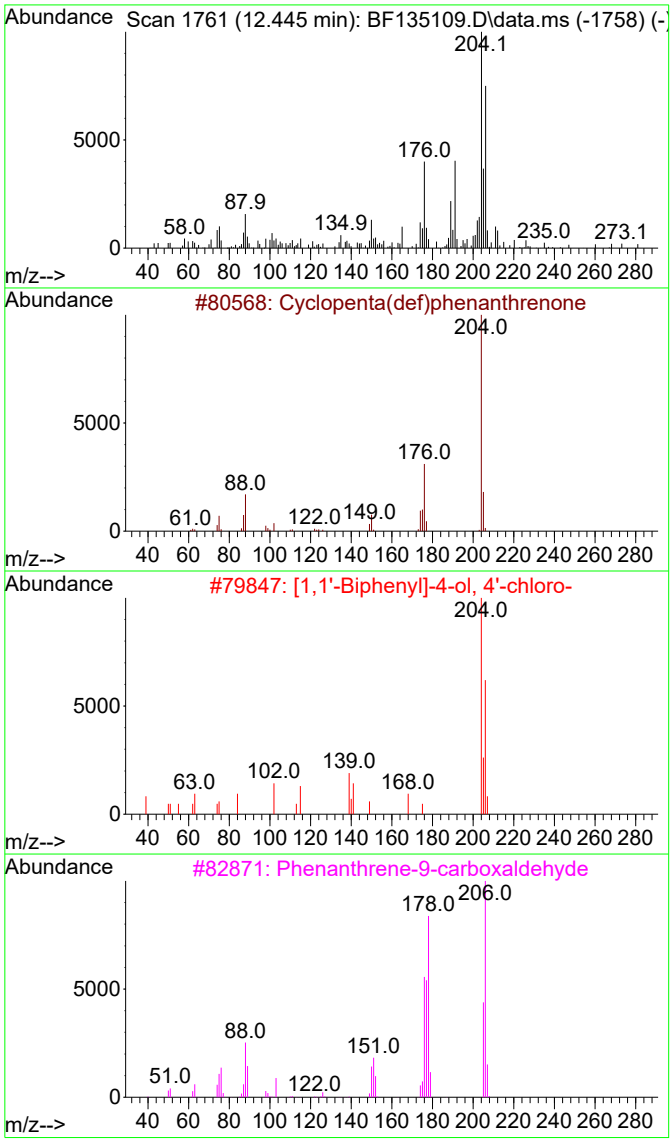
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

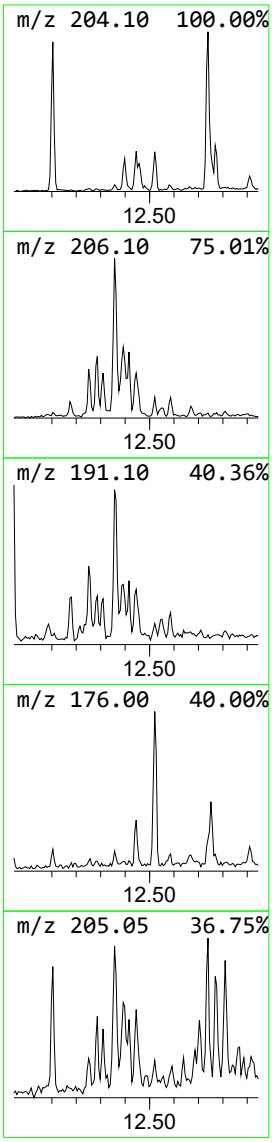
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	2.76 ng	85311	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	80
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	Phenanthrene-9-carboxaldehyde	206	C15H10O	004707-71-5	38
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38





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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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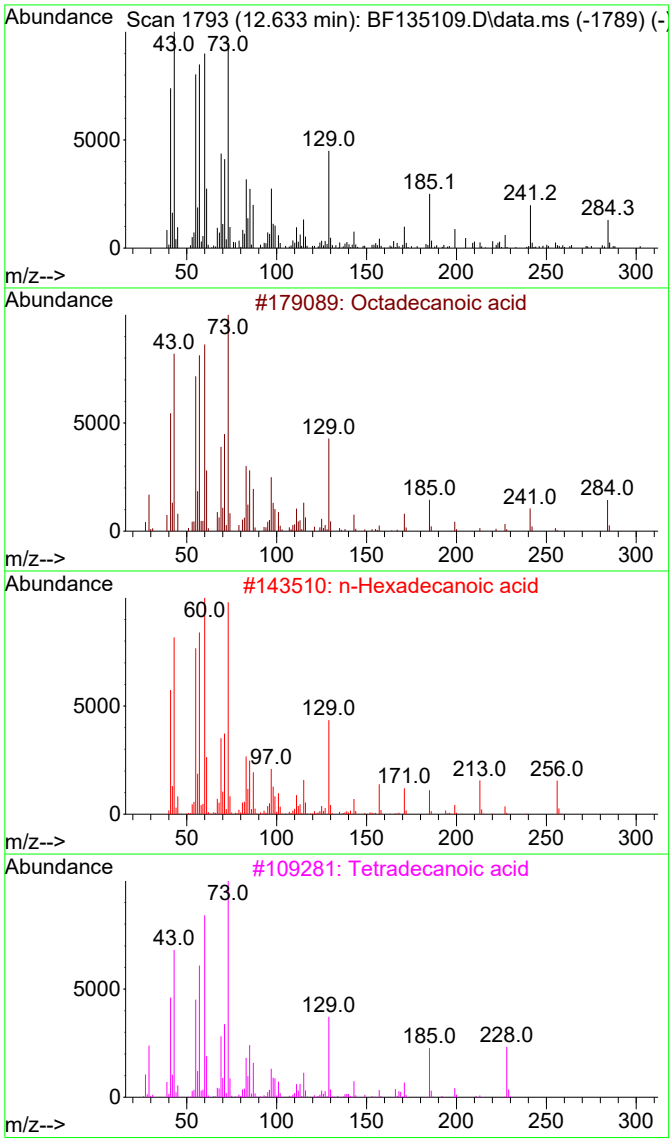
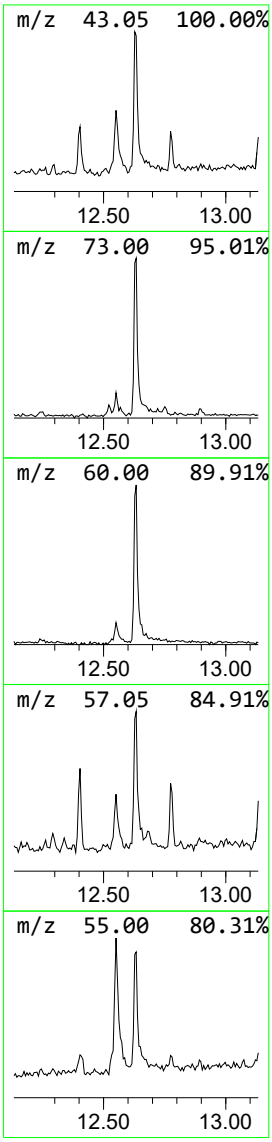
Peak Number 16 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	4.68 ng	272326	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Undecanoic acid	186	C11H22O2	000112-37-8	62





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Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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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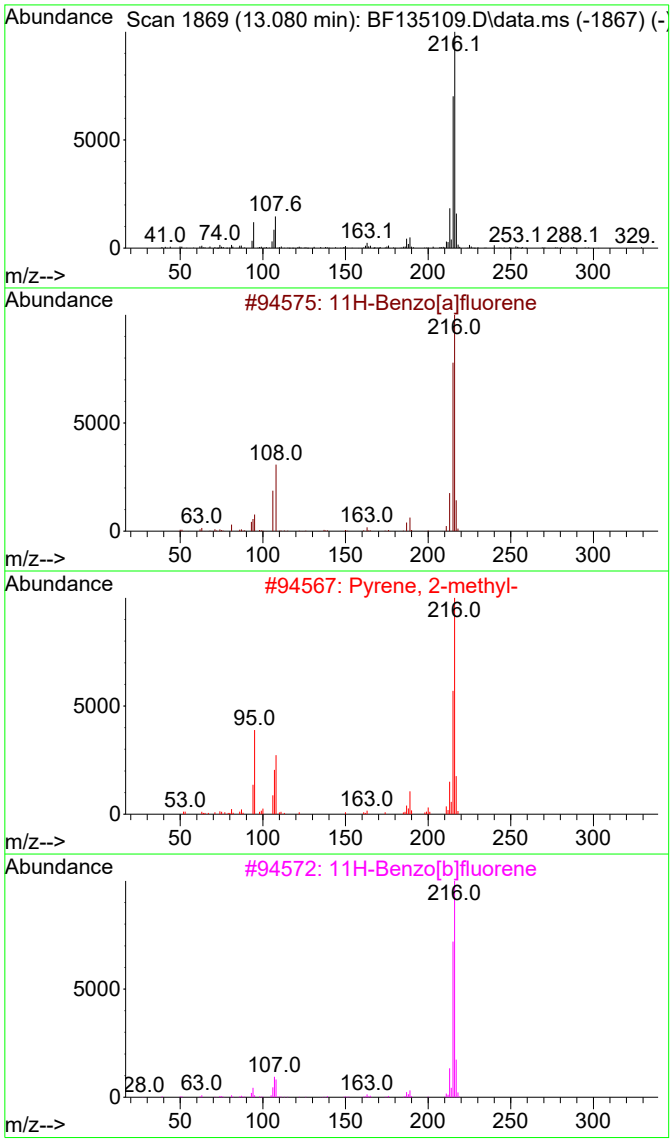
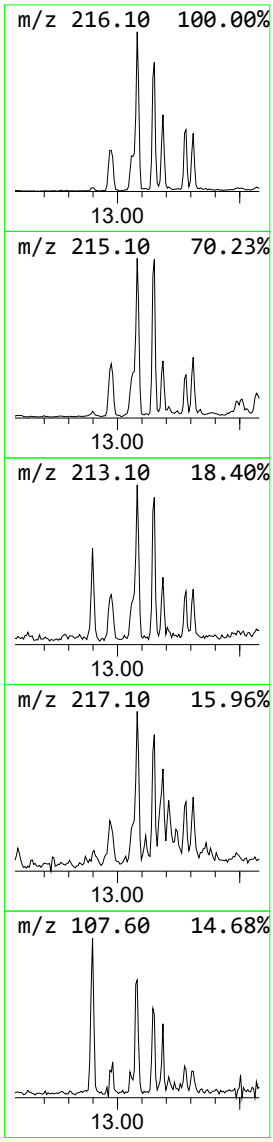
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	3.28 ng	190580	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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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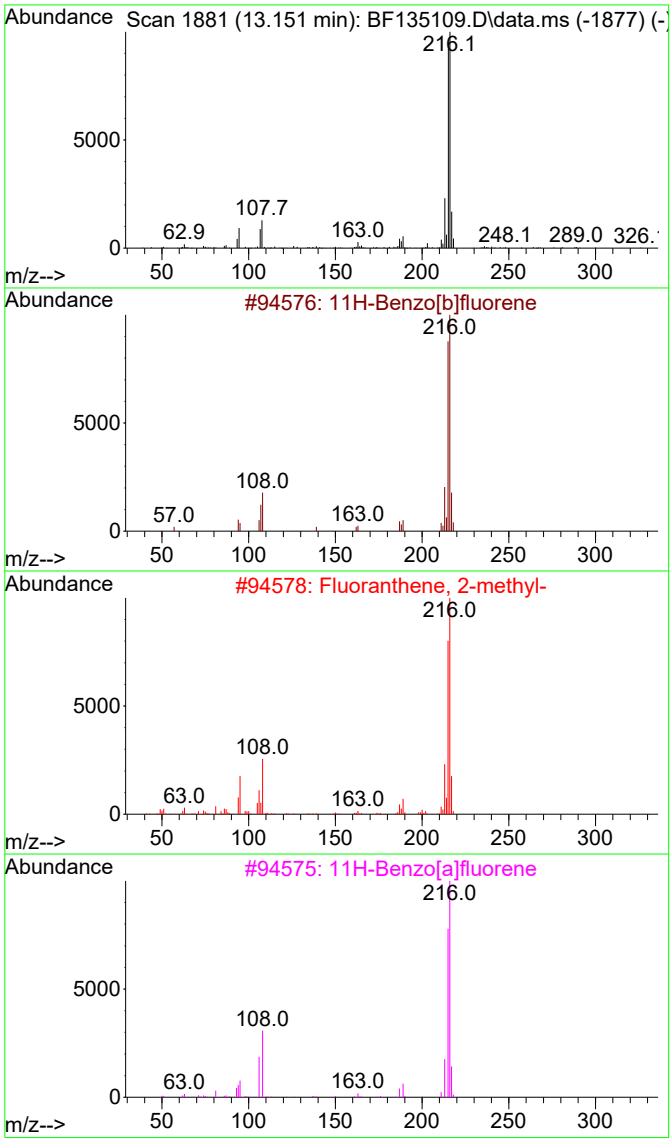
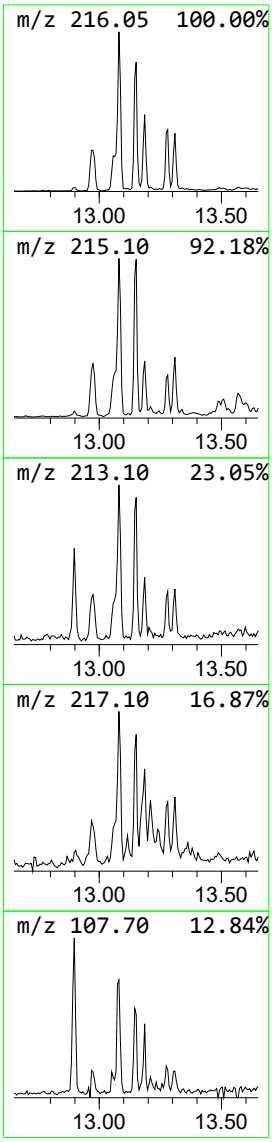
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.151	3.14 ng	182264	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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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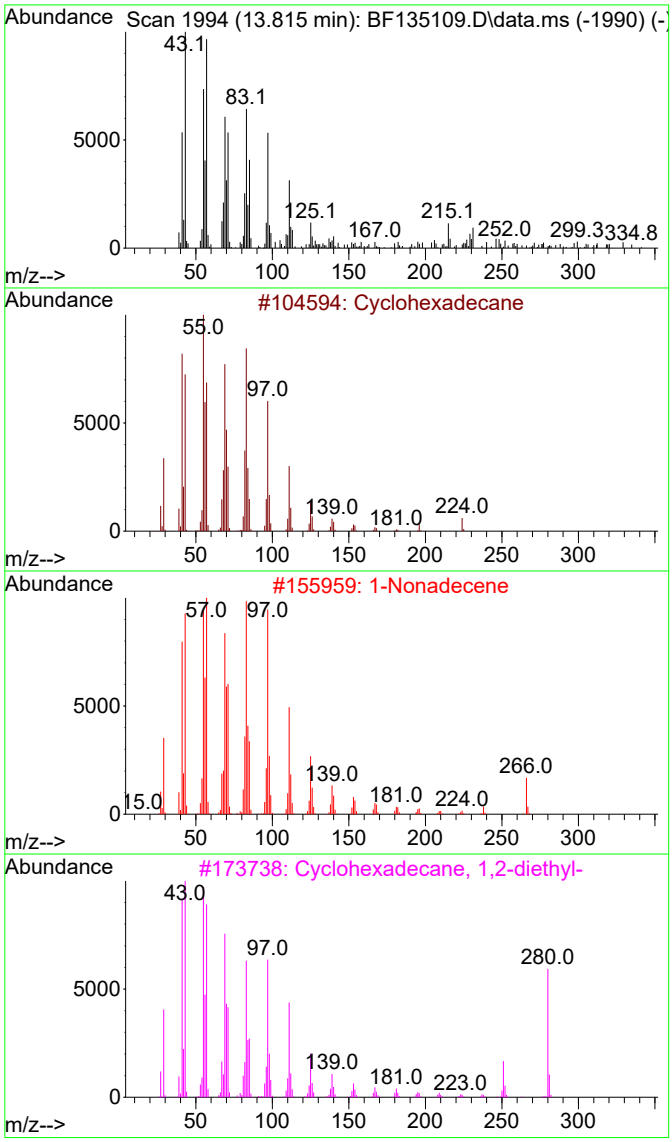
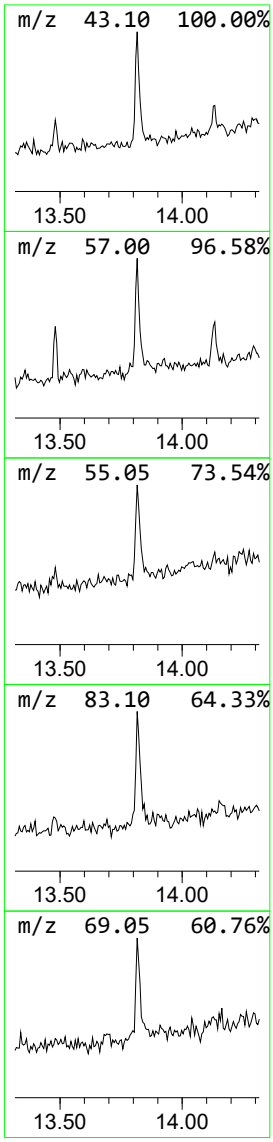
Peak Number 19 Cyclohexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.816	2.62 ng	152312	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	97
2	1-Nonadecene	266	C19H38	018435-45-5	95
3	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	93
4	3-Octadecene, (E)-	252	C18H36	007206-19-1	92
5	1-Octadecene	252	C18H36	000112-88-9	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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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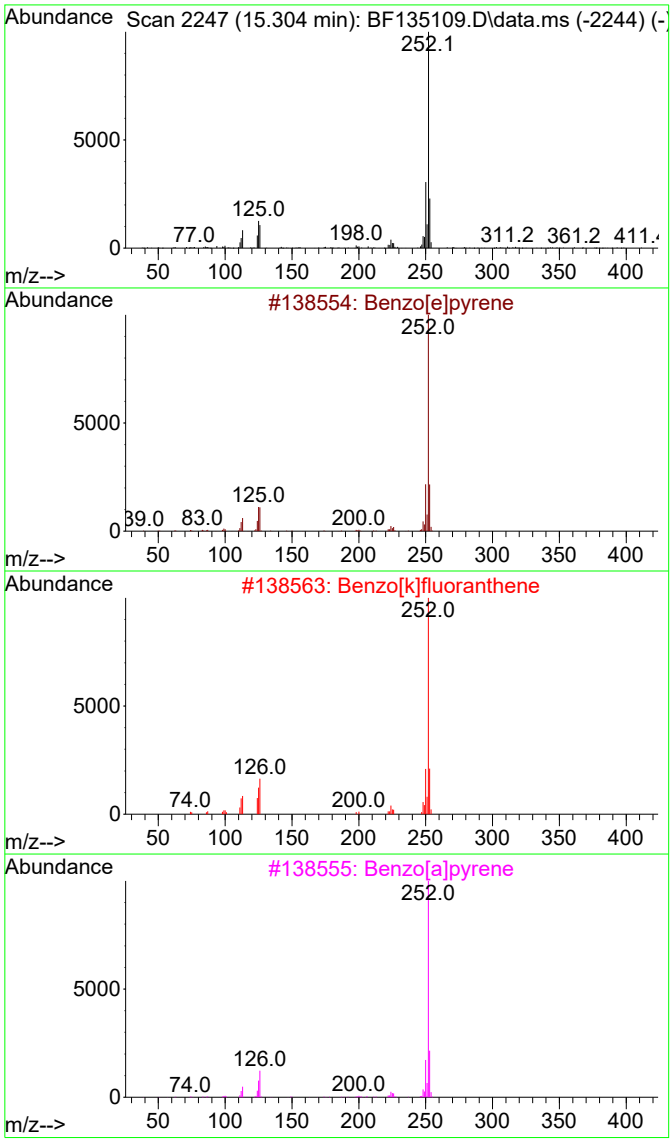
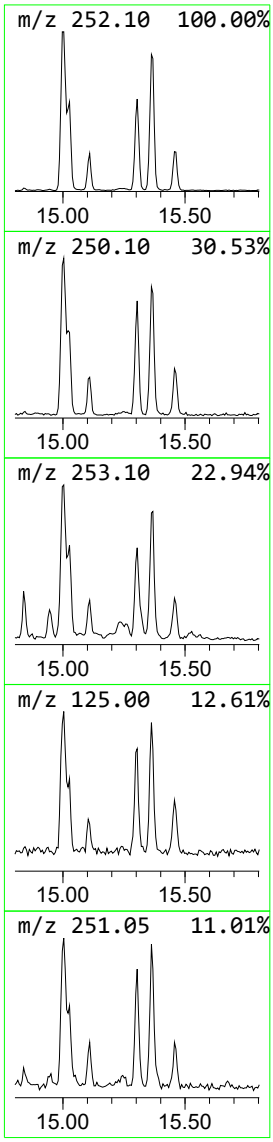
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	12.59 ng	252008	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
Acq On : 05 Sep 2023 23:32
Operator : CG\JU
Sample : 04265-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-083123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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
Naphthalene, 1,...	9.392	2.4	ng	91504	3	9.810	776132	20.0
Naphthalene, 2,...	9.469	2.7	ng	105708	3	9.810	776132	20.0
Tetradecane	10.722	3.3	ng	100922	4	11.304	617761	20.0
9H-Fluorene, 3-...	10.910	2.7	ng	84477	4	11.304	617761	20.0
Dibenzothiophene	11.198	4.7	ng	145296	4	11.304	617761	20.0
1H-Indene, 1-(p...	11.598	2.7	ng	83122	4	11.304	617761	20.0
Phenanthrene, 2...	11.804	5.9	ng	183076	4	11.304	617761	20.0
n-Hexadecanoic ...	11.839	19.8	ng	610636	4	11.304	617761	20.0
Anthracene, 2-m...	11.880	3.4	ng	104774	4	11.304	617761	20.0
4H-Cyclopenta[d...	11.916	11.3	ng	348285	4	11.304	617761	20.0
Propyne, 1,3-di...	11.939	2.9	ng	90845	4	11.304	617761	20.0
Naphthalene, 2-...	12.104	3.7	ng	113198	4	11.304	617761	20.0
Phenanthrene, 2...	12.357	3.5	ng	108731	4	11.304	617761	20.0
unknown12.398	12.398	5.0	ng	155900	4	11.304	617761	20.0
Cyclopenta(def)...	12.445	2.8	ng	85311	4	11.304	617761	20.0
Octadecanoic acid	12.633	4.7	ng	272326	5	13.957	1162630	20.0
11H-Benzo[a]flu...	13.080	3.3	ng	190580	5	13.957	1162630	20.0
11H-Benzo[b]flu...	13.151	3.1	ng	182264	5	13.957	1162630	20.0
Cyclohexadecane	13.816	2.6	ng	152312	5	13.957	1162630	20.0
Benzo[e]pyrene	15.304	12.6	ng	252008	6	15.427	400212	20.0