LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ORA-1650

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133963.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.116	3	5	14	rVB	990910	1192572	15.21%	1.436%
2	5.081	505	509	516	rBV	171658	224918	2.87%	0.271%
3	5.481	573	577	586	rVB	2207115	2075564	26.47%	2.500%
4	6.481	743	747	752	rBV	1965017	2027061	25.85%	2.441%
5	6.851	806	810	816	rVB	763485	677964	8.65%	0.817%
6	7.410	901	905	908	rBV	1578320	1247638	15.91%	1.503%
7	8.128	1021	1027	1029	rBV	1027738	820605	10.47%	0.988%
8	8.151	1029	1031	1034	rVB	201363	163907	2.09%	0.197%
9	8.839	1146	1148	1152	rBV	289552	213141	2.72%	0.257%
10	8.939	1162	1165	1168	rVB	295772	231168	2.95%	0.278%
11	9.204	1206	1210	1213	rBV	2435816	1859521	23.72%	2.240%
12	9.475	1251	1256	1259	rBV2	154860	208514	2.66%	0.251%
13	9.545	1264	1268	1270	rBV	260764	264177	3.37%	0.318%
14	9.745	1299	1302	1306	rBV	568809	463185	5.91%	0.558%
15	9.886	1323	1326	1329	rVB	842423	668172	8.52%	0.805%
16	9.916	1329	1331	1335	rVB	667142	581406	7.41%	0.700%
17	9.992	1340	1344	1348	rBV2	80296	110798	1.41%	0.133%
18	10.092	1357	1361	1364	rVV2	423804	391685	5.00%	0.472%
19	10.128	1364	1367	1374	rVB	152983	138737	1.77%	0.167%
20	10.204	1376	1380	1382	rBV2	143163	150248	1.92%	0.181%
21	10.292	1391	1395	1397	rBV3	124598	150393	1.92%	0.181%
22	10.433	1416	1419	1425	rVB	880698	872812	11.13%	1.051%
23	10.592	1444	1446	1450	rVB2	287586	338332	4.31%	0.407%
24	10.675	1455	1460	1464	rVV	1387301	1416927	18.07%	1.707%
25	10.722	1464	1468	1472	rVB2	75241	114841	1.46%	0.138%
26	10.804	1477	1482	1485	rBV3	183051	204421	2.61%	0.246%
27	10.986	1508	1513	1515	rBV2	300203	327642	4.18%	0.395%
28	11.016	1515	1518	1521	rVV2	172578	175576	2.24%	0.211%
29	11.069	1524	1527	1530	rVB	176540	162468	2.07%	0.196%
30	11.116	1530	1535	1537	rBV2	181495	253024	3.23%	0.305%
31	11.139	1537	1539	1541	rVV2	207198	186695	2.38%	0.225%
32	11.186	1544	1547	1550	rVV3	106486	117011	1.49%	0.141%
33	11.228	1551	1554	1559	rVV3	198539	282745	3.61%	0.341%
34	11.275	1559	1562	1567	rVB	450238	409551	5.22%	0.493%
35	11.380	1577	1580	1582	rBV	691057	716022	9.13%	0.862%
36	11.416	1582	1586	1589	rVV	4398211	4403414	56.16%	5.304%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
Data File : BF133963.D
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Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ORA-1650

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.457	1590	1593	1596	rVV	1670311	1531624	19.53%	1.845%
38	11.486	1596	1598	1602	rVB2	184826	204549	2.61%	0.246%
39	11.610	1617	1619	1621	rBV	163465	148791	1.90%	0.179%
40	11.675	1628	1630	1634	rBV	191284	167469	2.14%	0.202%
41	11.710	1634	1636	1641	rVB2	154677	170551	2.18%	0.205%
42	11.792	1648	1650	1654	rVB	103347	109951	1.40%	0.132%
43	11.886	1662	1666	1668	rBV	851143	746117	9.52%	0.899%
44	11.916	1668	1671	1675	rVB	1427189	1225015	15.62%	1.475%
45	11.963	1676	1679	1682	rBV	596634	527048	6.72%	0.635%
46	12.004	1682	1686	1688	rBV	1663494	1826458	23.29%	2.200%
47	12.186	1714	1717	1719	rBV	553128	489800	6.25%	0.590%
48	12.210	1719	1721	1724	rVB2	257921	212885	2.72%	0.256%
49	12.333	1740	1742	1745	rVV	224229	179687	2.29%	0.216%
50	12.363	1745	1747	1749	rVV	228233	191635	2.44%	0.231%
51	12.392	1749	1752	1755	rVB	187648	181257	2.31%	0.218%
52	12.439	1757	1760	1763	rBV	581712	646843	8.25%	0.779%
53	12.480	1763	1767	1769	rVV	480507	551106	7.03%	0.664%
54	12.533	1773	1776	1781	rBV2	379909	505842	6.45%	0.609%
55	12.622	1785	1791	1793	rBV	5818700	7064950	90.10%	8.509%
56	12.651	1793	1796	1798	rVV2	169015	180387	2.30%	0.217%
57	12.704	1802	1805	1808	rVB	294989	272574	3.48%	0.328%
58	12.757	1811	1814	1818	rVB	296104	278245	3.55%	0.335%
59	12.851	1823	1830	1833	rBV2	5155711	7840985	100.00%	9.444%
60	12.886	1833	1836	1841	rVB2	388902	472682	6.03%	0.569%
61	12.957	1844	1848	1849	rBV	476475	462806	5.90%	0.557%
62	12.980	1849	1852	1859	rVB2	1905797	1953765	24.92%	2.353%
63	13.057	1860	1865	1868	rBV3	576709	935161	11.93%	1.126%
64	13.110	1872	1874	1877	rBV3	117763	139494	1.78%	0.168%
65	13.145	1877	1880	1881	rBV2	441986	490102	6.25%	0.590%
66	13.169	1881	1884	1887	rVB2	1453175	1416837	18.07%	1.706%
67	13.210	1887	1891	1892	rBV3	153417	197200	2.51%	0.238%
68	13.239	1892	1896	1898	rVV	1069912	1007648	12.85%	1.214%
69	13.274	1898	1902	1905	rVV2	808121	924720	11.79%	1.114%
70	13.327	1909	1911	1914	rBV	176385	163754	2.09%	0.197%
71	13.363	1914	1917	1920	rBV	416246	396754	5.06%	0.478%
72	13.398	1920	1923	1926	rBV	497836	486305	6.20%	0.586%
73	13.592	1954	1956	1959	rVB	215473	191708	2.44%	0.231%
74	13.651	1964	1966	1968	rBV2	208604	220487	2.81%	0.266%
75	13.680	1969	1971	1975	rVB3	322782	357779	4.56%	0.431%
76	13.792	1987	1990	1992	rBV	426018	384831	4.91%	0.464%

LSC Area Percent Report

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Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ORA-1650

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

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.821	1992	1995	1997	rVV	543593	492485	6.28%	0.593%
78	13.845	1997	1999	2005	rVV3	447913	605376	7.72%	0.729%
79	13.892	2005	2007	2010	rVB	288179	228653	2.92%	0.275%
80	14.045	2026	2033	2036	rBV2	2928135	4477300	57.10%	5.393%
81	14.080	2036	2039	2045	rVB	2809736	2756747	35.16%	3.320%
82	14.157	2049	2052	2054	rBV	524066	449944	5.74%	0.542%
83	14.192	2056	2058	2064	rBV4	183414	241605	3.08%	0.291%
84	14.263	2068	2070	2071	rBV	187614	161111	2.05%	0.194%
85	14.398	2091	2093	2095	rBV2	163535	129717	1.65%	0.156%
86	14.433	2097	2099	2102	rVV	577913	561109	7.16%	0.676%
87	14.468	2103	2105	2109	rVB	337331	263346	3.36%	0.317%
88	14.563	2118	2121	2123	rBV2	341072	340977	4.35%	0.411%
89	14.586	2123	2125	2128	rVB	408996	339081	4.32%	0.408%
90	15.121	2210	2216	2219	rBV	1741672	3223807	41.11%	3.883%
91	15.227	2230	2234	2237	rVB	438772	450800	5.75%	0.543%
92	15.433	2265	2269	2275	rVB	1016309	1482293	18.90%	1.785%
93	15.504	2275	2281	2286	rBV	1697622	2365035	30.16%	2.849%
94	15.563	2287	2291	2293	rVV	303997	439966	5.61%	0.530%
95	15.592	2293	2296	2303	rVB2	521151	746208	9.52%	0.899%
96	16.292	2411	2415	2423	rVB3	278828	525454	6.70%	0.633%
97	16.751	2489	2493	2499	rVB3	208642	344100	4.39%	0.414%
98	17.121	2550	2556	2564	rVB2	706149	1581736	20.17%	1.905%
99	17.368	2594	2598	2605	rVB2	236387	410785	5.24%	0.495%
100	17.598	2631	2637	2646	rVB	508948	1110289	14.16%	1.337%

Sum of corrected areas: 83026581

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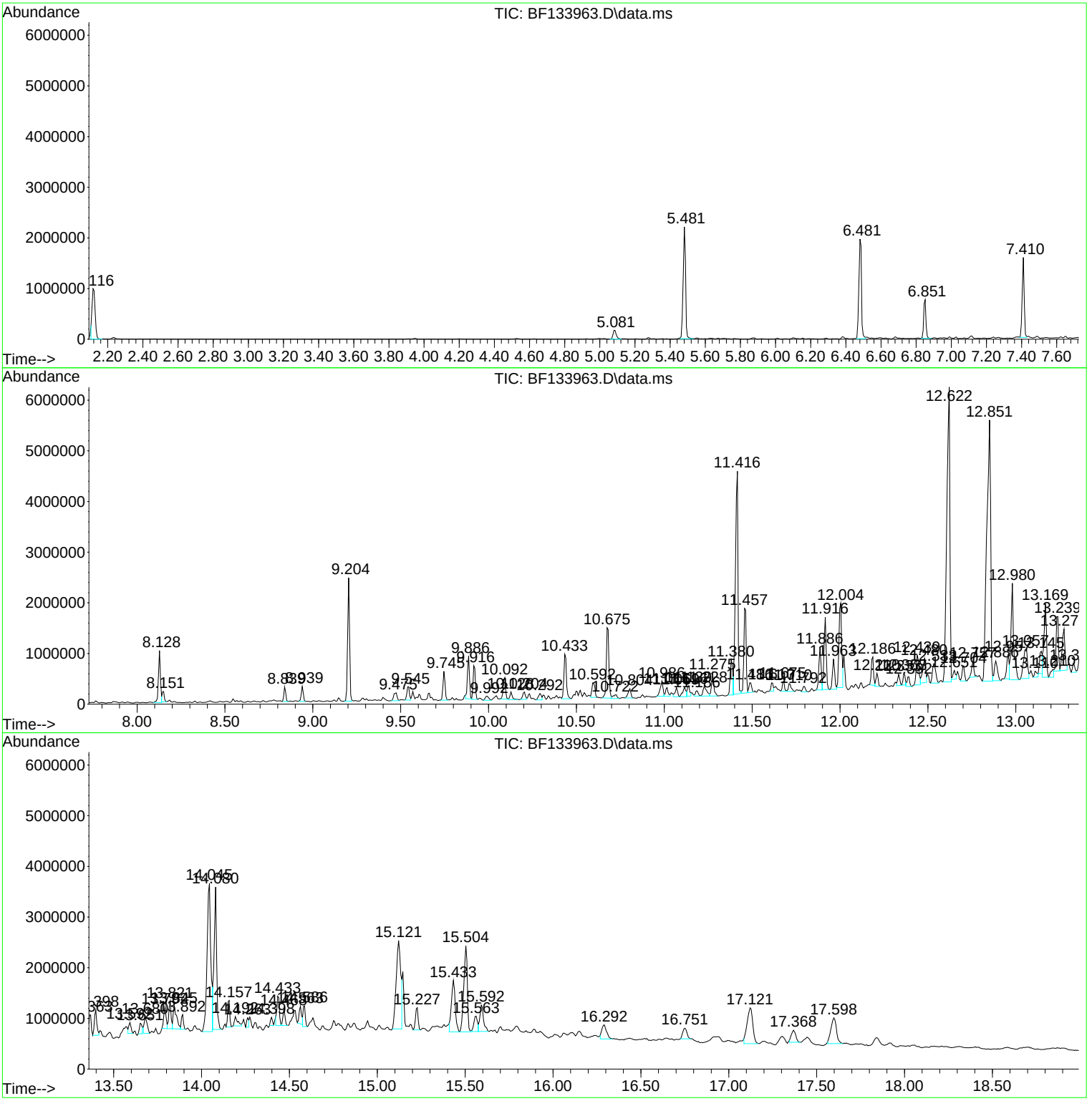
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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\BF062623\
Data File : BF133963.D
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Sample : 03369-01
Misc :
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Instrument :
BNA_F
ClientSampleId :
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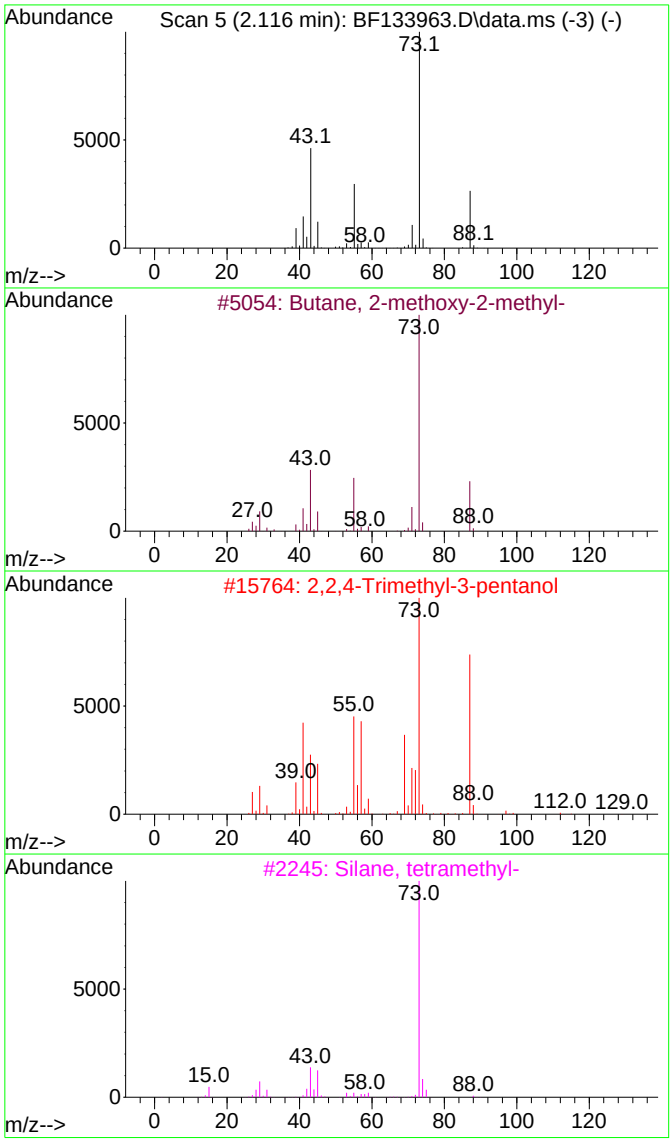
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

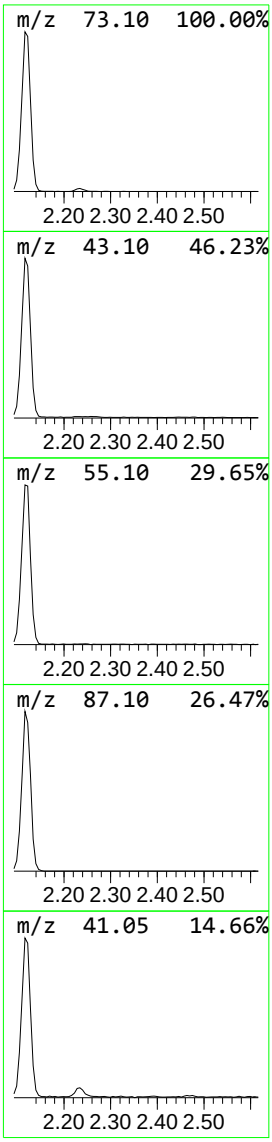
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.116	35.18 ng	1192570	1,4-Dichlorobenzene-d4	6.851

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	38
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	38
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

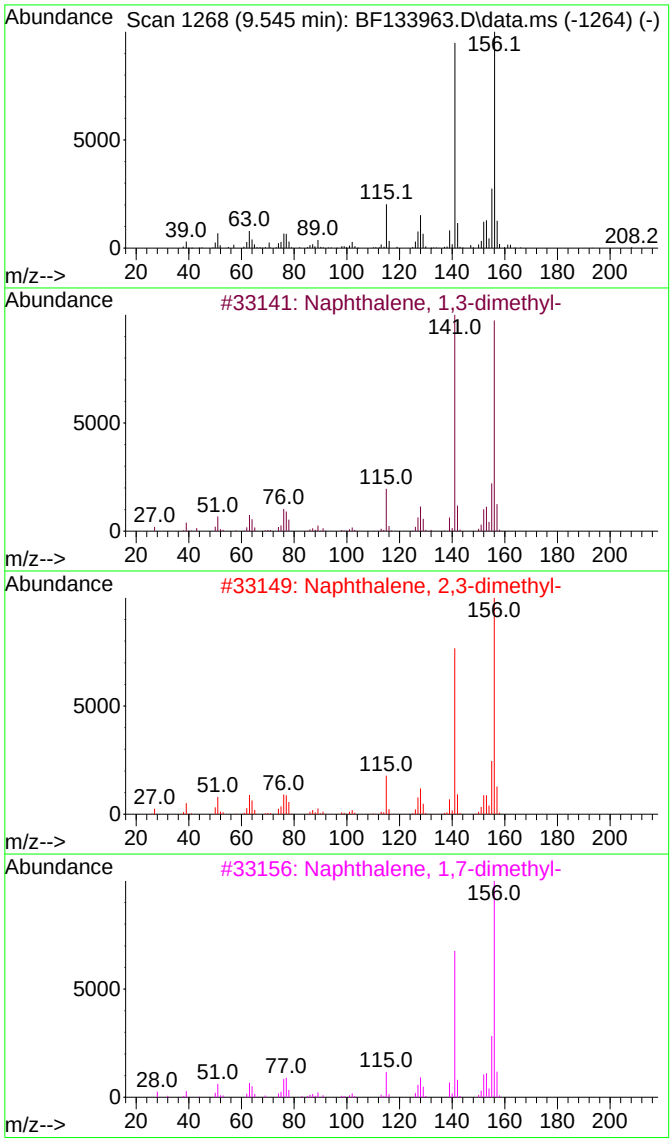
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

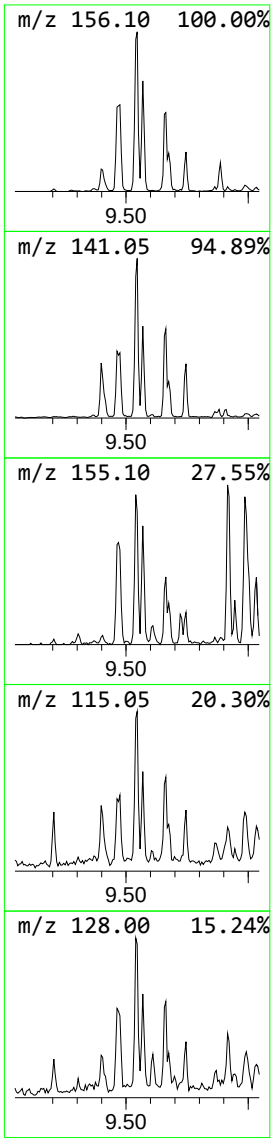
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.545	7.91 ng	264177	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
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Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

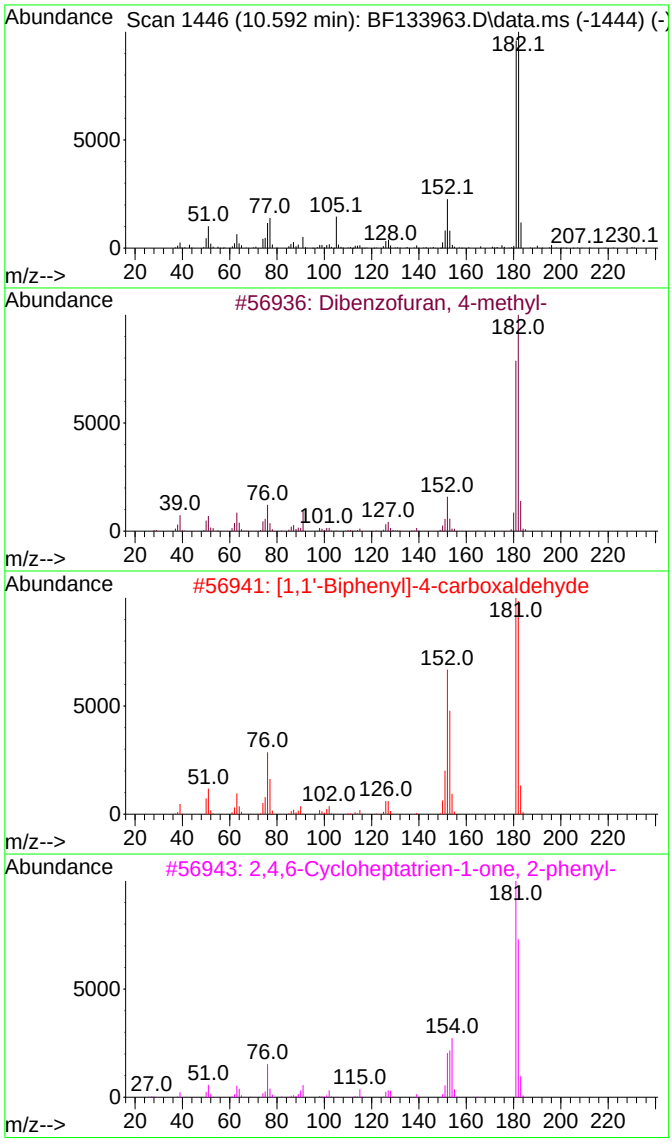
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

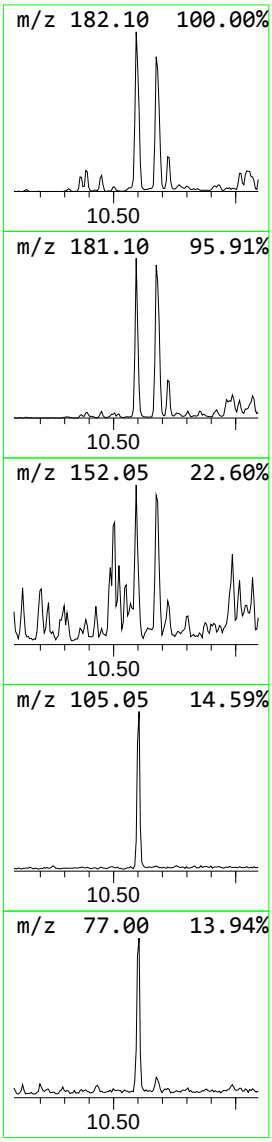
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.592	10.13 ng	338332	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	2-Fluorenamine	181	C13H11N	000153-78-6	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

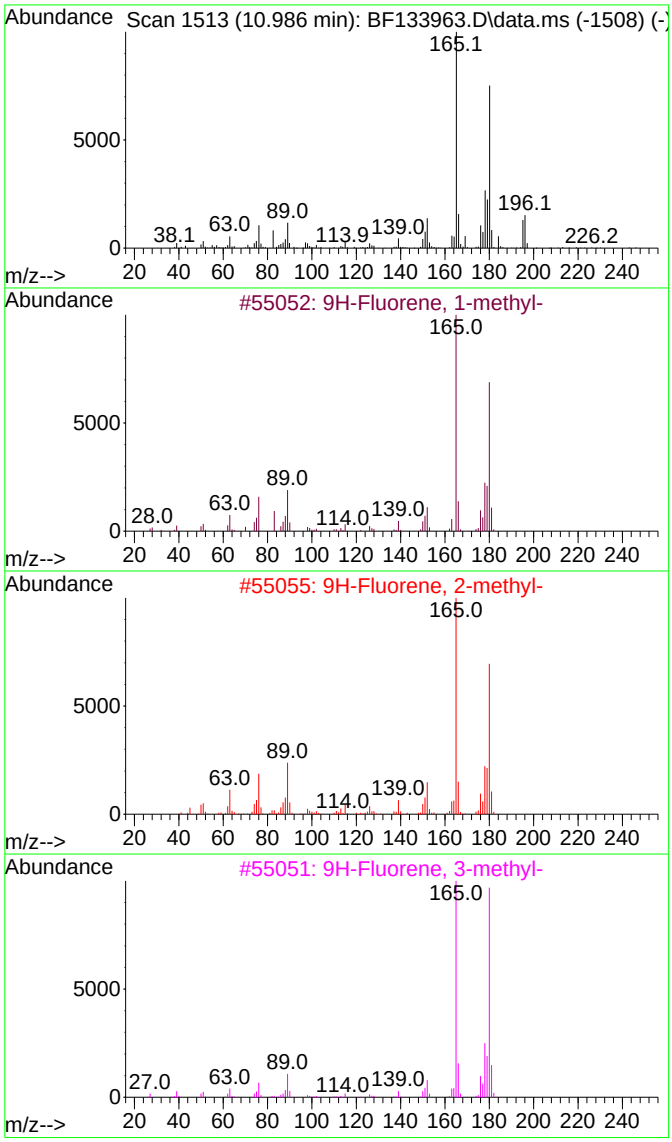
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

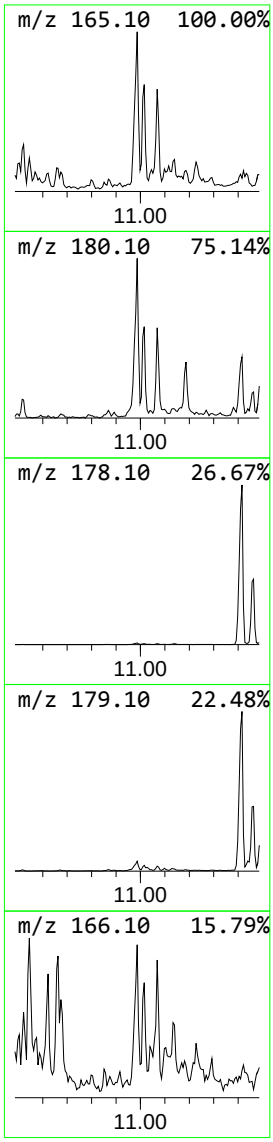
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.986	9.15 ng	327642	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	(E)-Stilbene	180	C14H12	000103-30-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

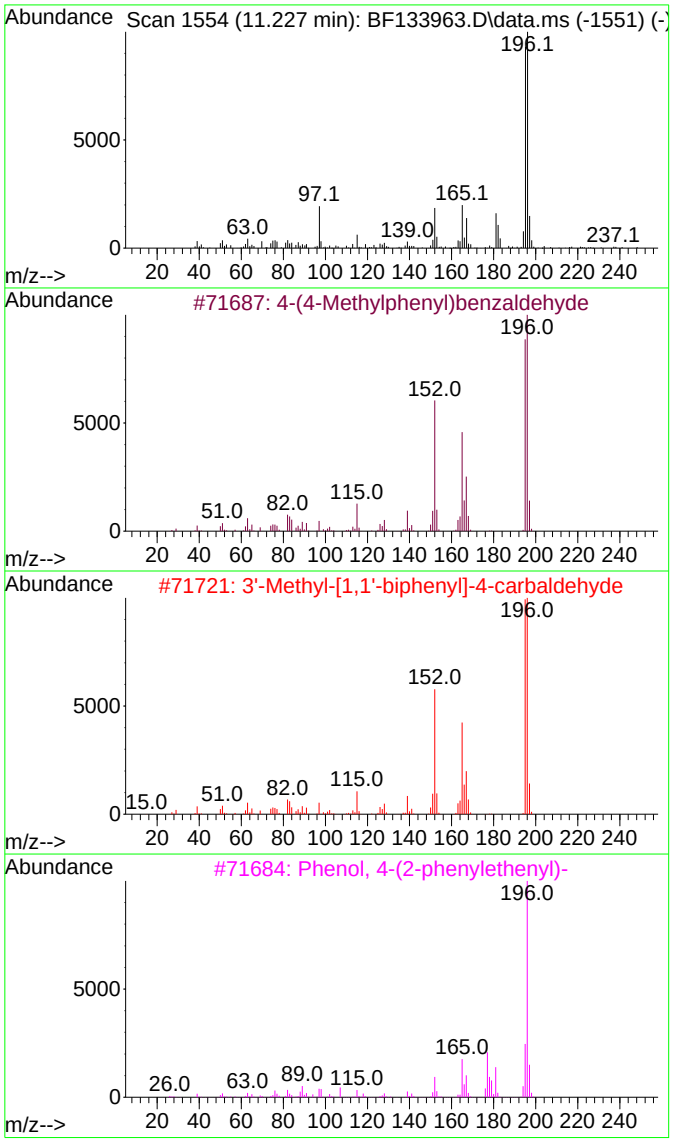
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

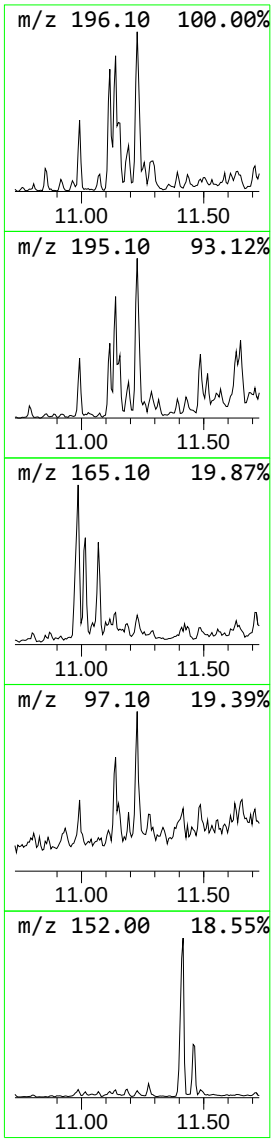
****

Peak Number 5 4-(4-Methylphenyl)benzaldehyde Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	7.90 ng	282745	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	81
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	64
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





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Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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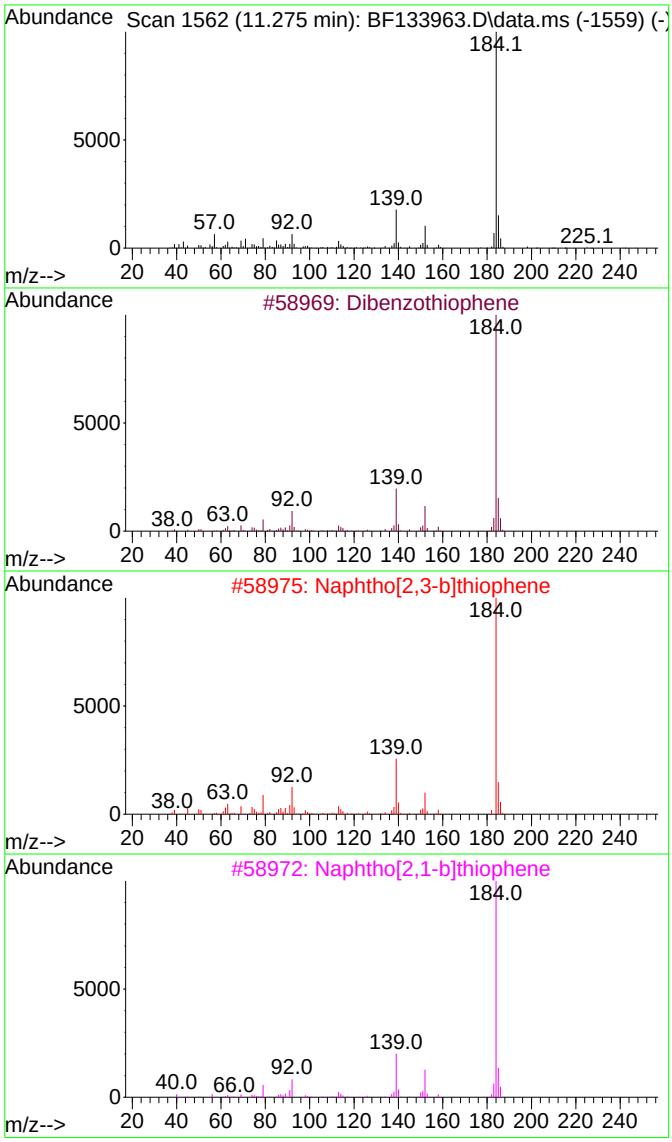
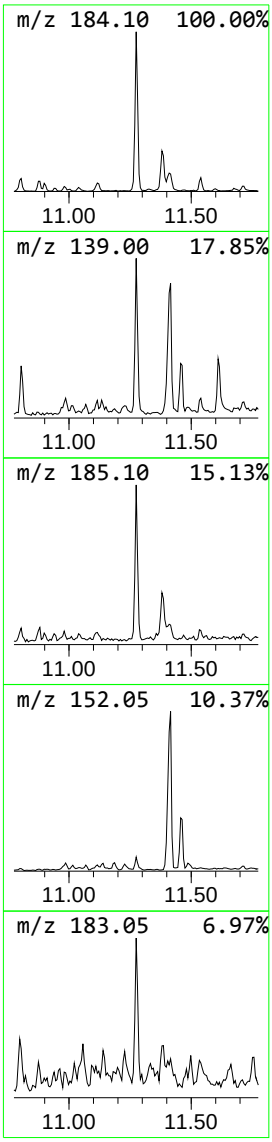
Peak Number 6 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	11.44 ng	409551	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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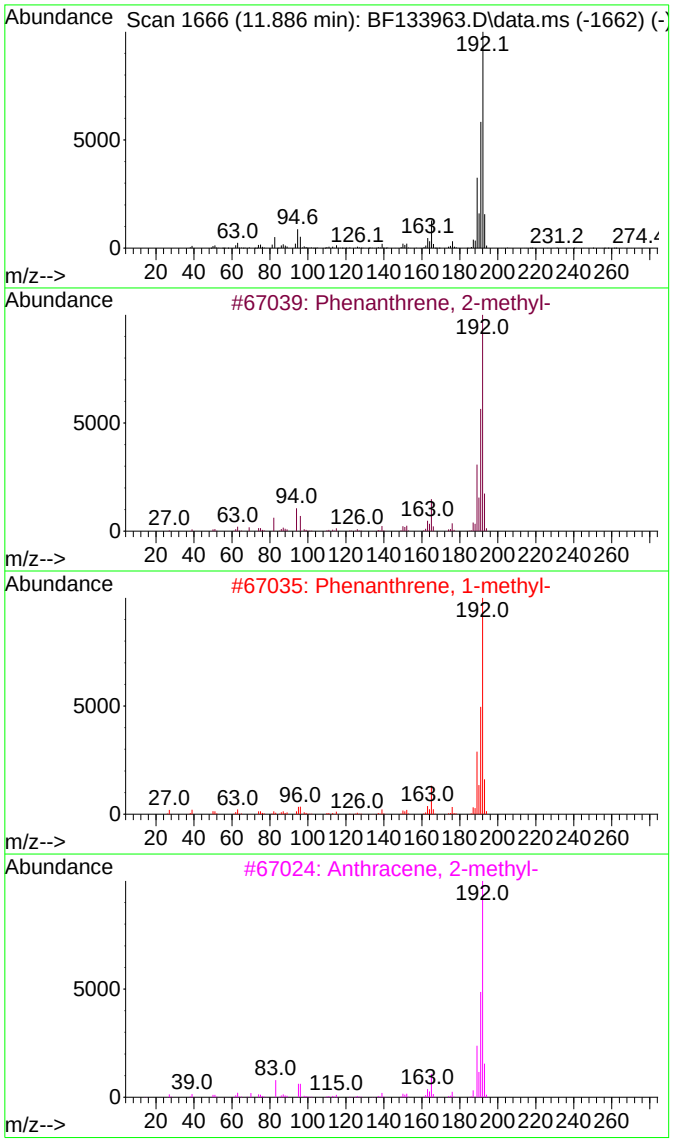
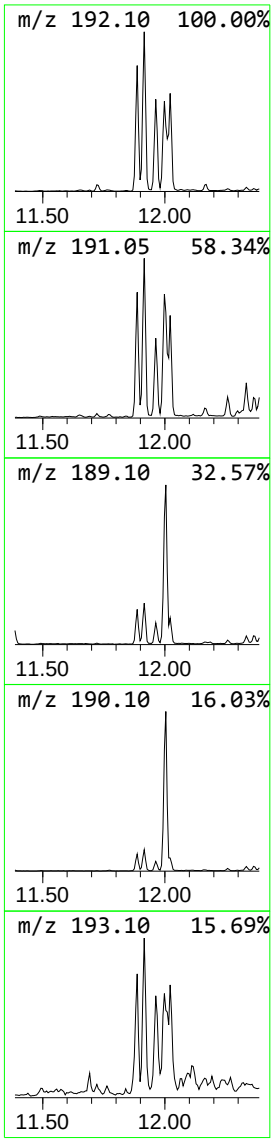
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	20.84 ng	746117	Phenanthrene-d10	11.380

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 11 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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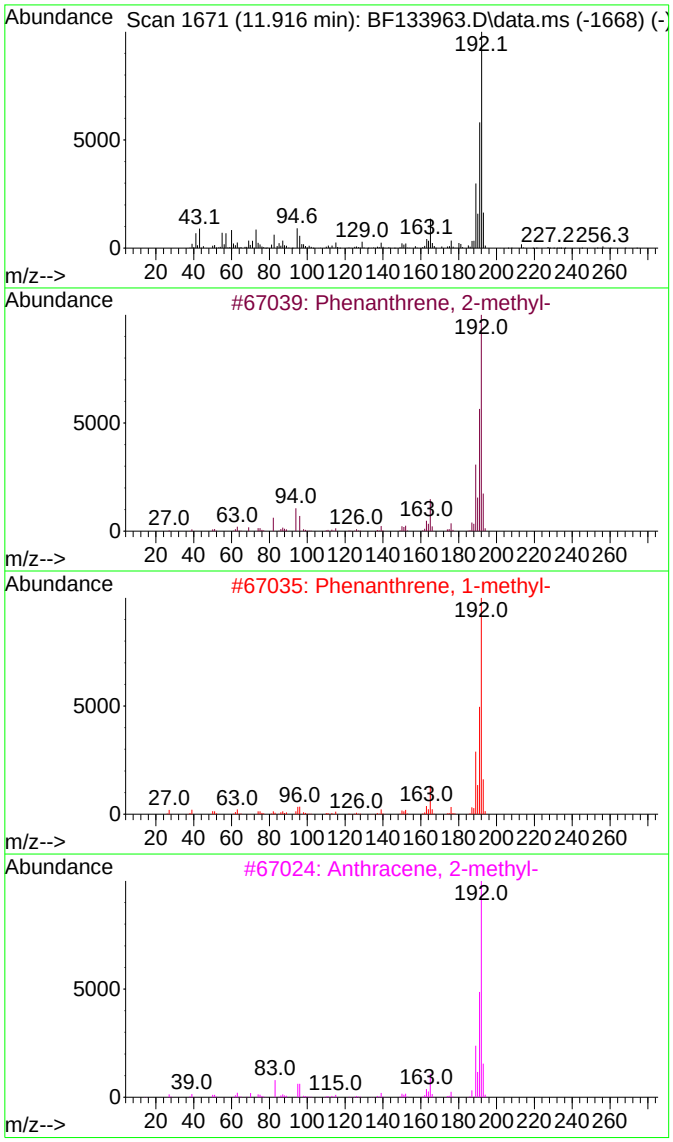
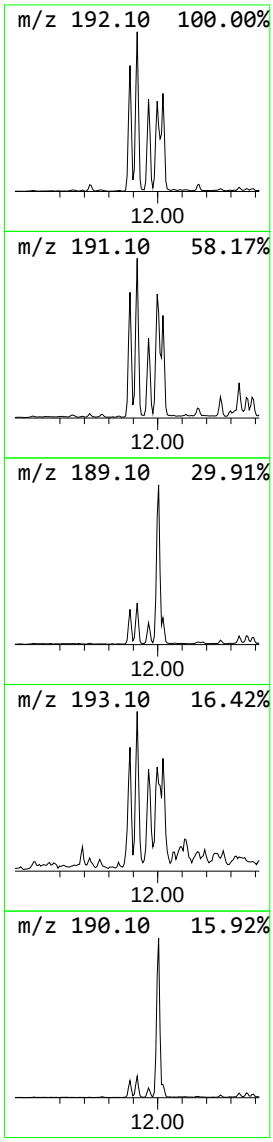
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	34.22 ng	1225020	Phenanthrene-d10	11.380

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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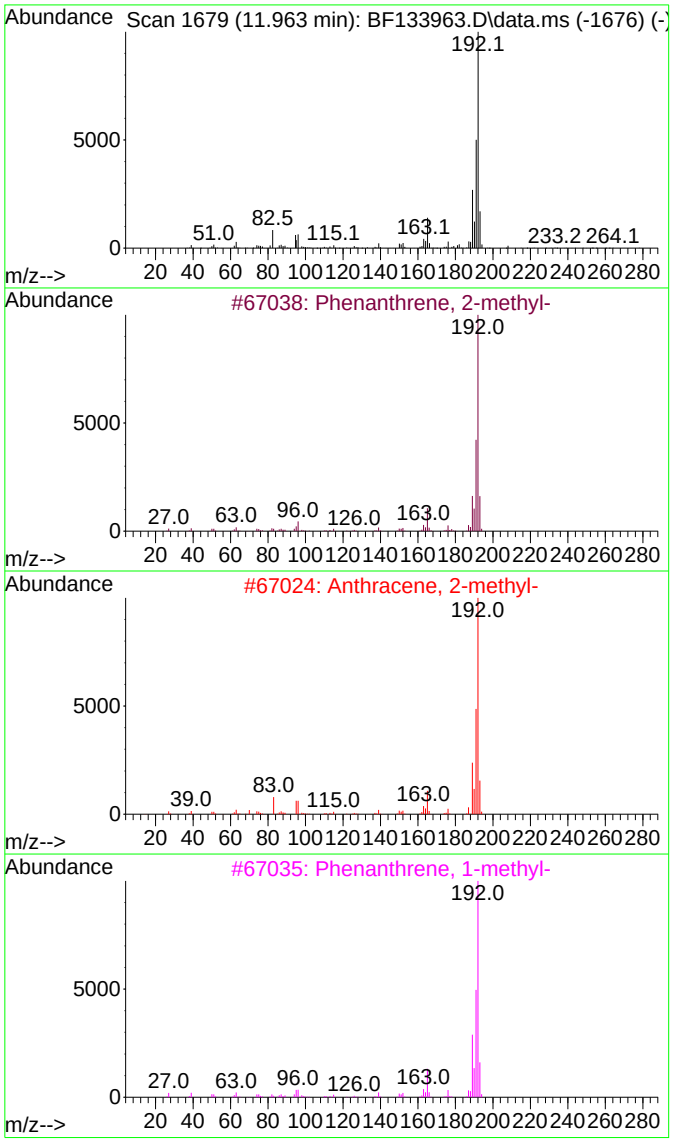
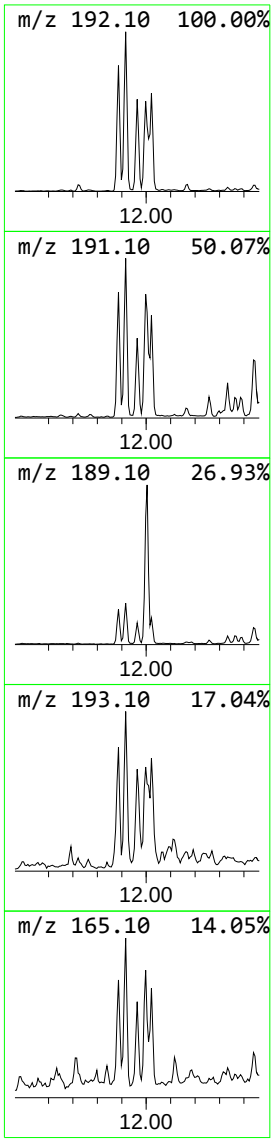
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	14.72 ng	527048	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





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Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

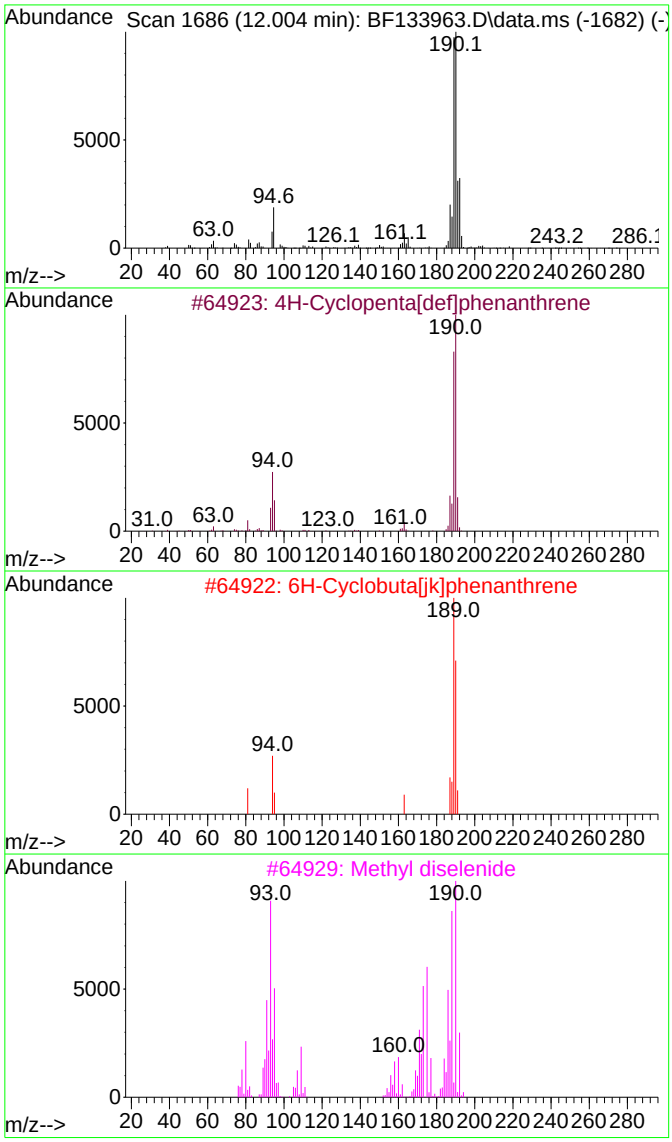
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

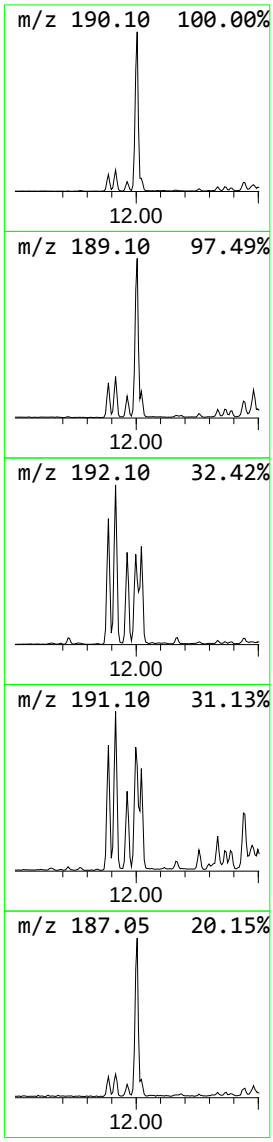
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	51.02 ng	1826460	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ORA-1650

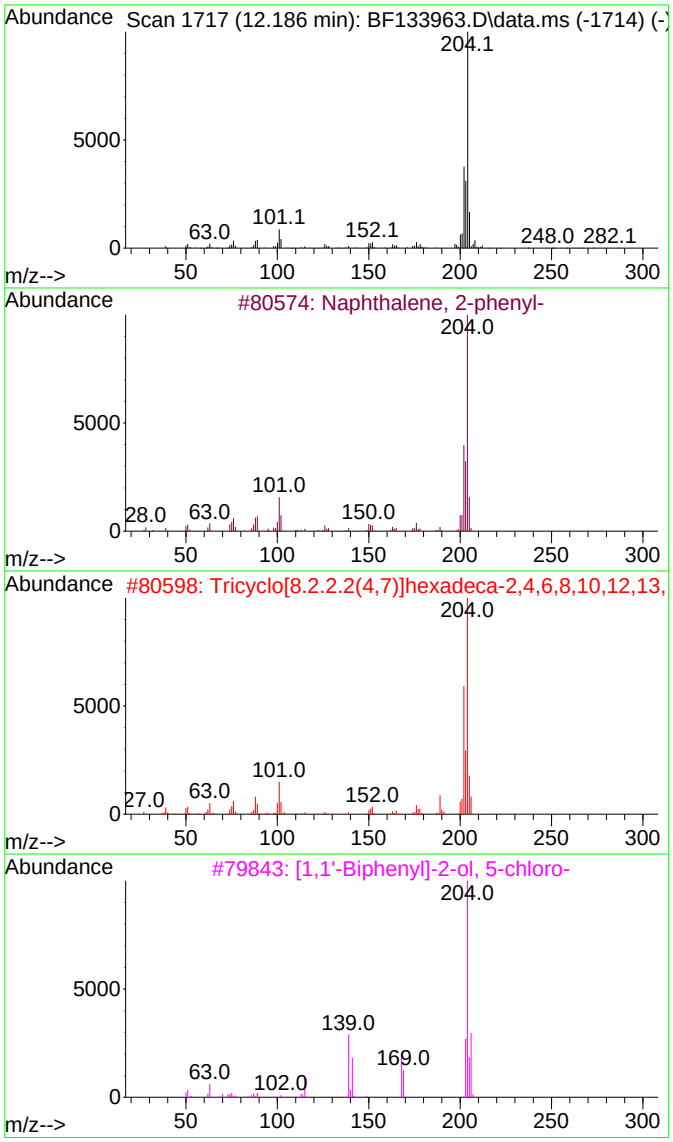
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

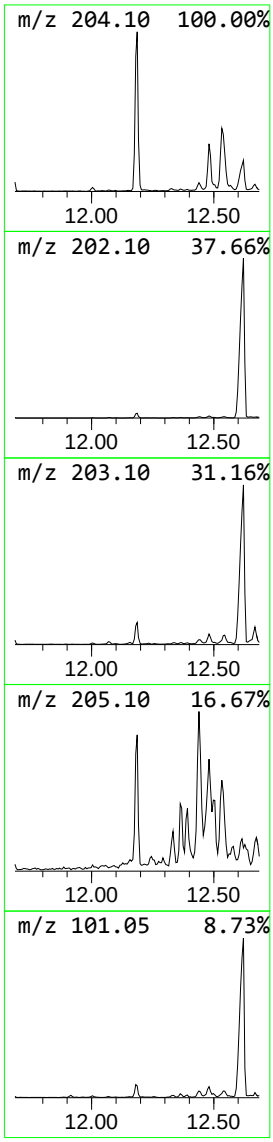
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.186	13.68 ng	489800	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53





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Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

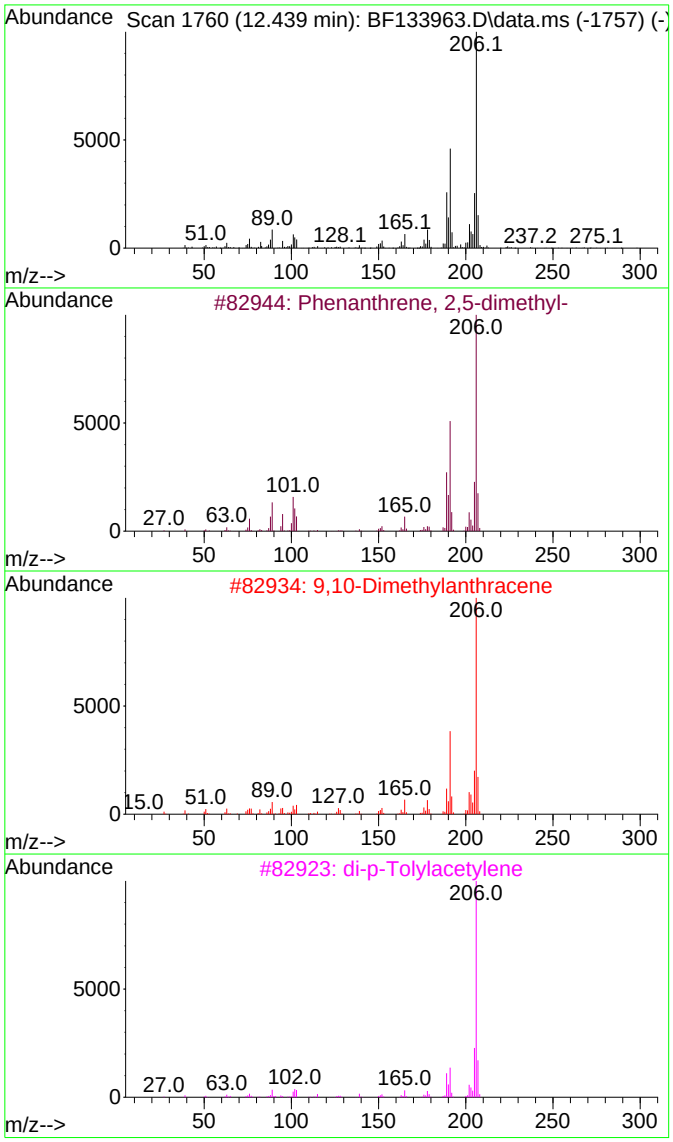
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

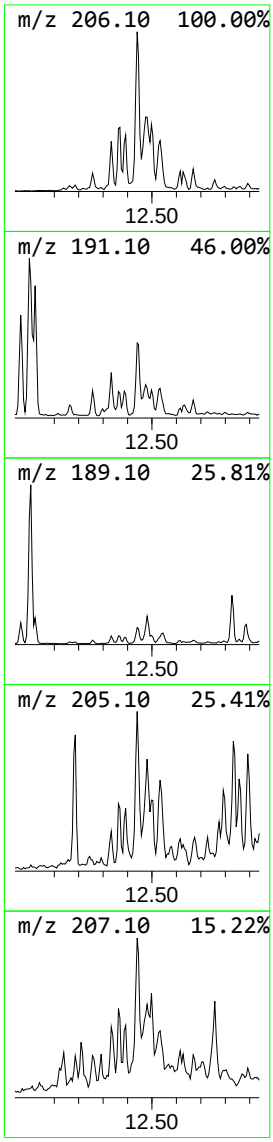
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.439	18.07 ng	646843	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ORA-1650

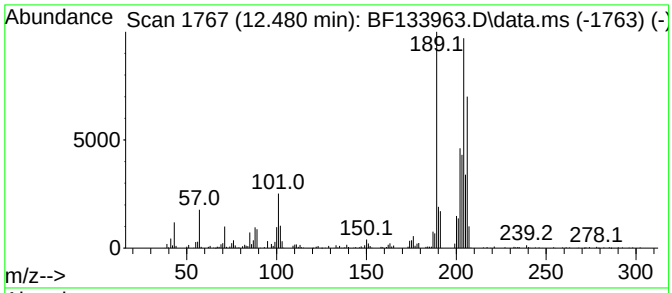
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

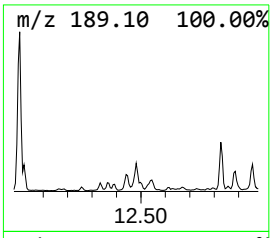
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

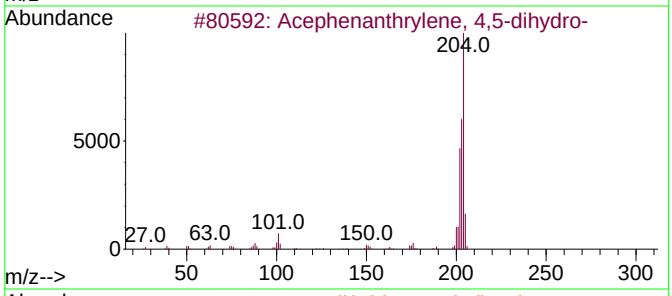
****
Peak Number 13 Acephenanthrylene, 4,5-dihy... Concentration Rank 11

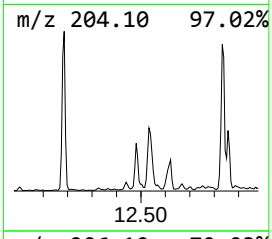
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	15.39 ng	551106	Phenanthrene-d10	11.380

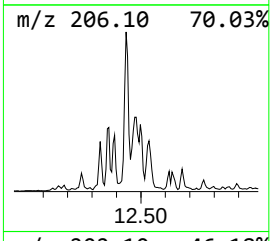
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	60
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	46
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30

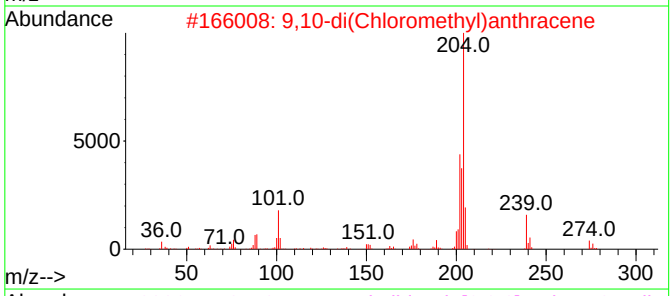


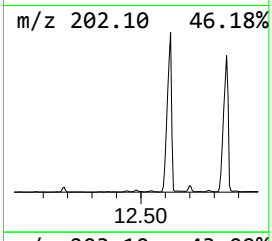


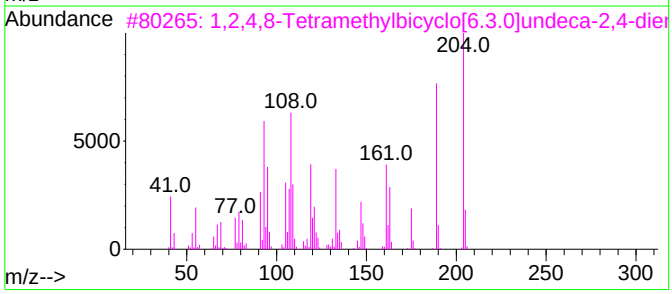


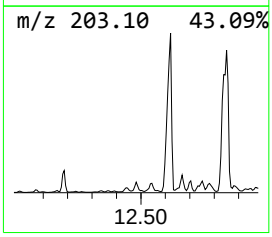












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Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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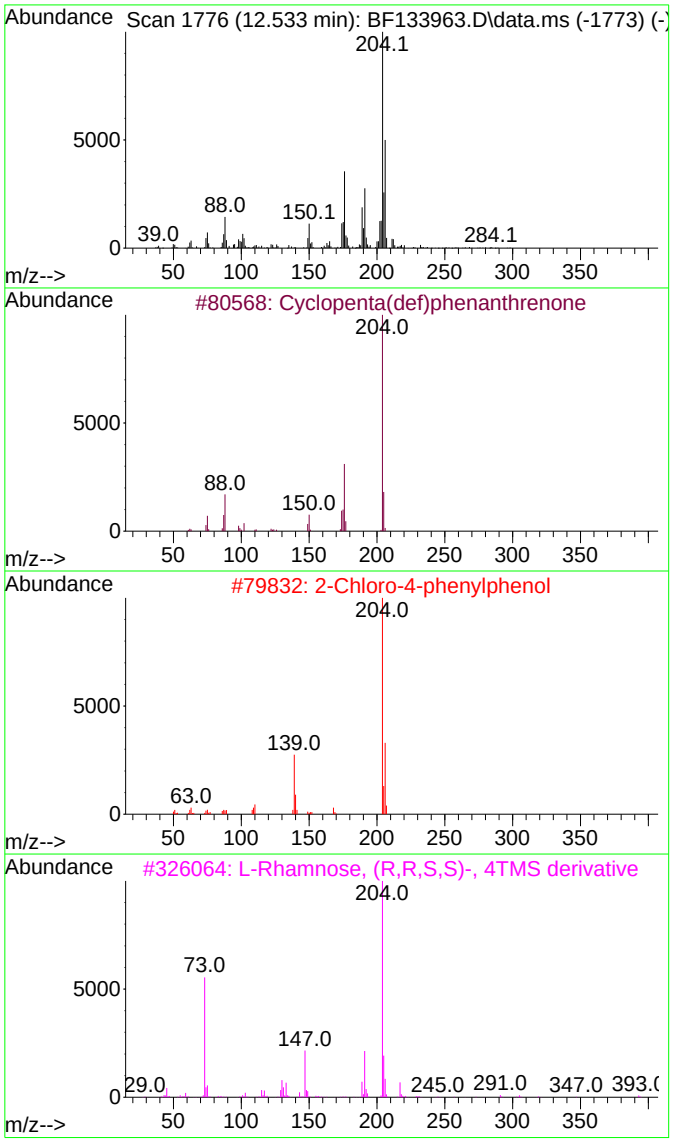
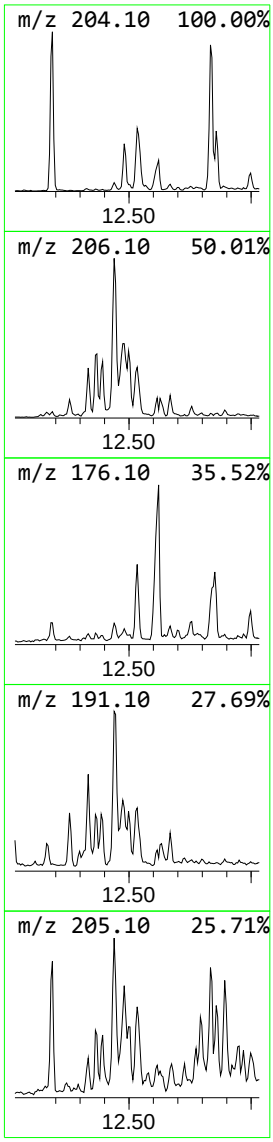
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	14.13 ng	505842	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
3	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	4,6-Di-O-methyl-galactose, 3TMS ...	424	C17H40O6Si3	055400-23-2	38





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Misc :
ALS Vial : 11 Sample Multiplier: 1

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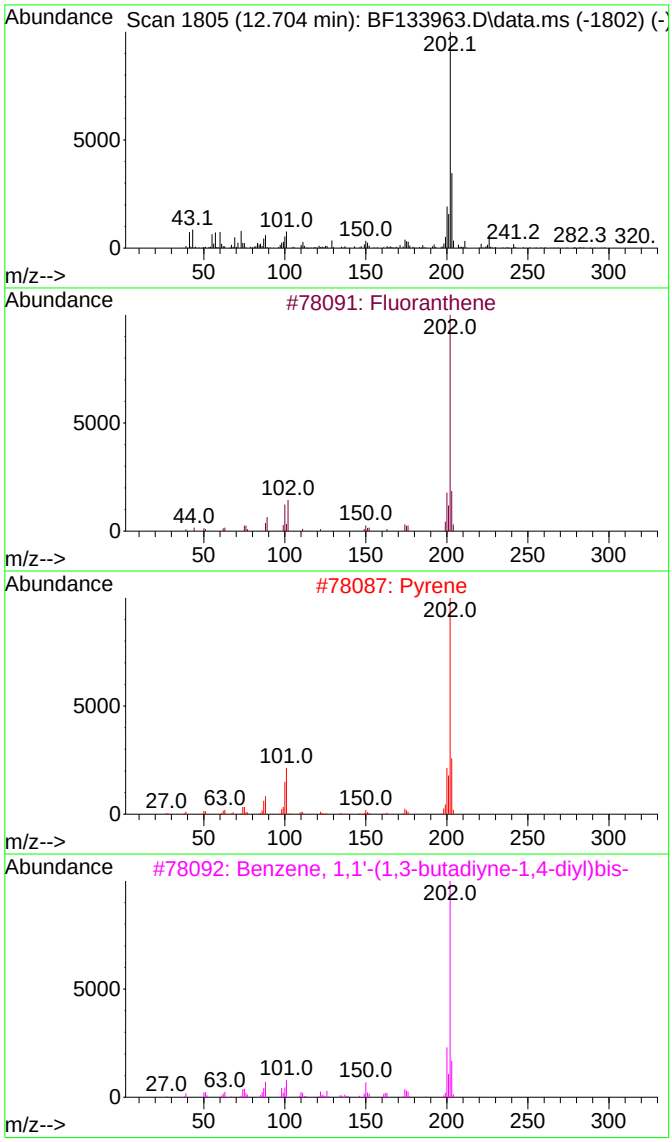
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

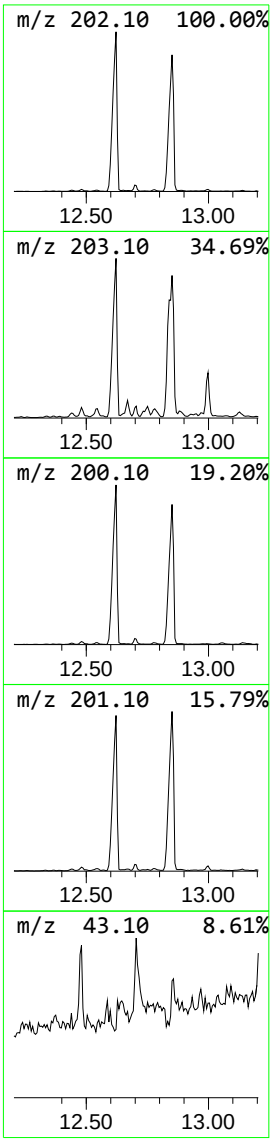
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.704	7.61 ng	272574	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	76
2	Pyrene	202	C16H10	000129-00-0	74
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	62
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	50
5	Anthracene, 9-(2-nitroethenyl)-	249	C16H11NO2	058349-77-2	50





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Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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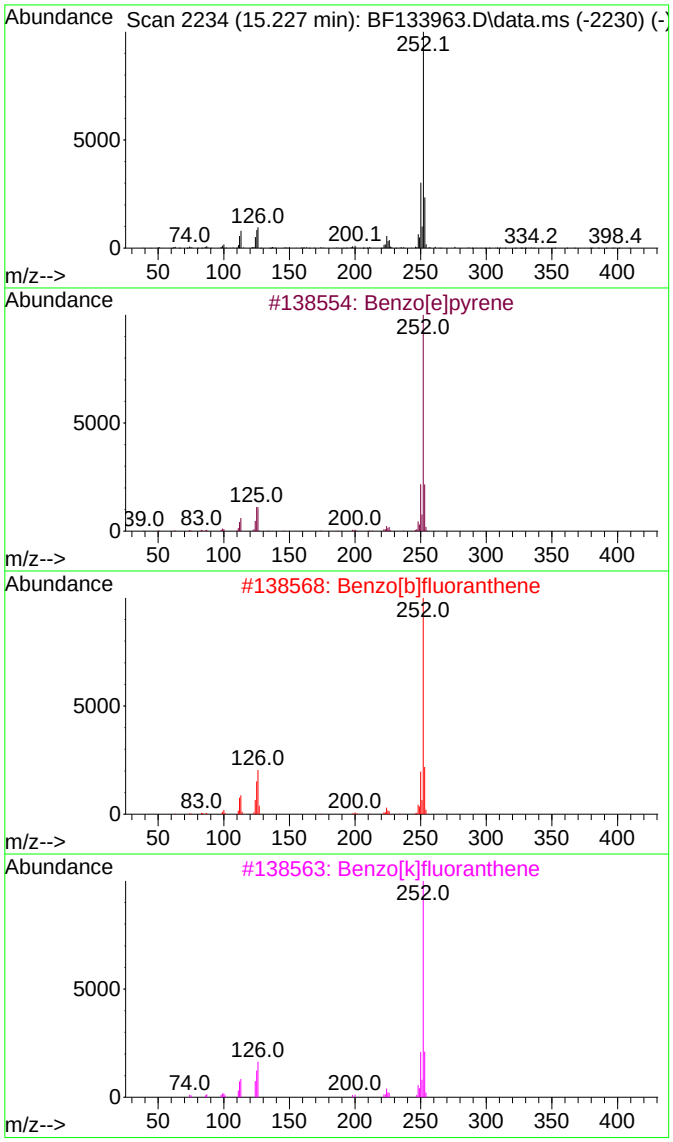
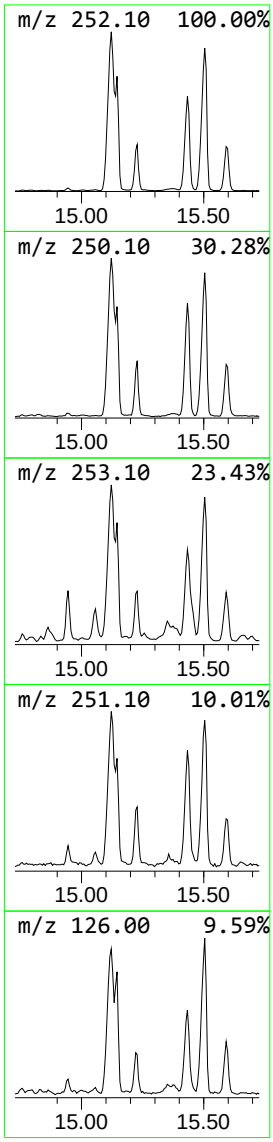
Peak Number 16 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	20.49 ng	450800	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Perylene	252	C20H12	000198-55-0	89





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Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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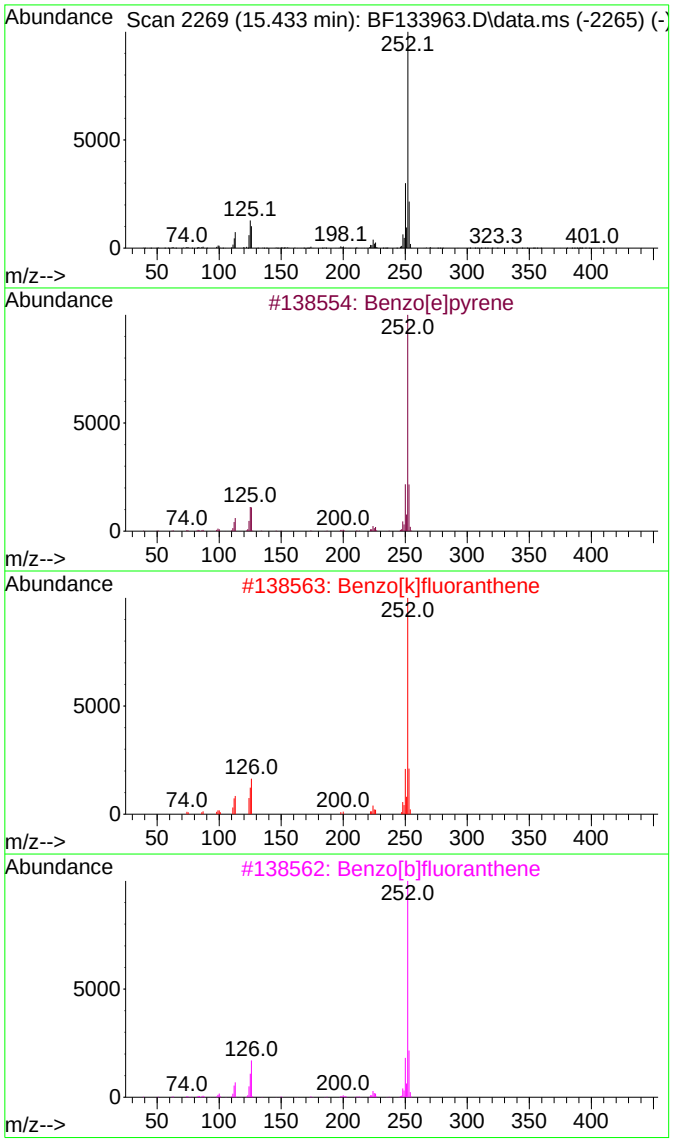
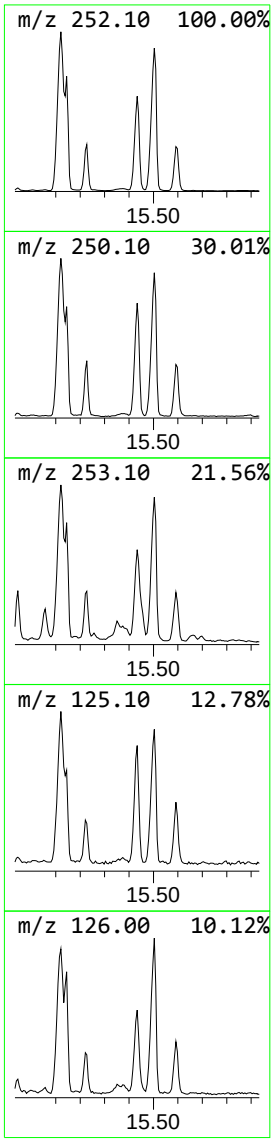
Peak Number 17 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	67.38 ng	1482290	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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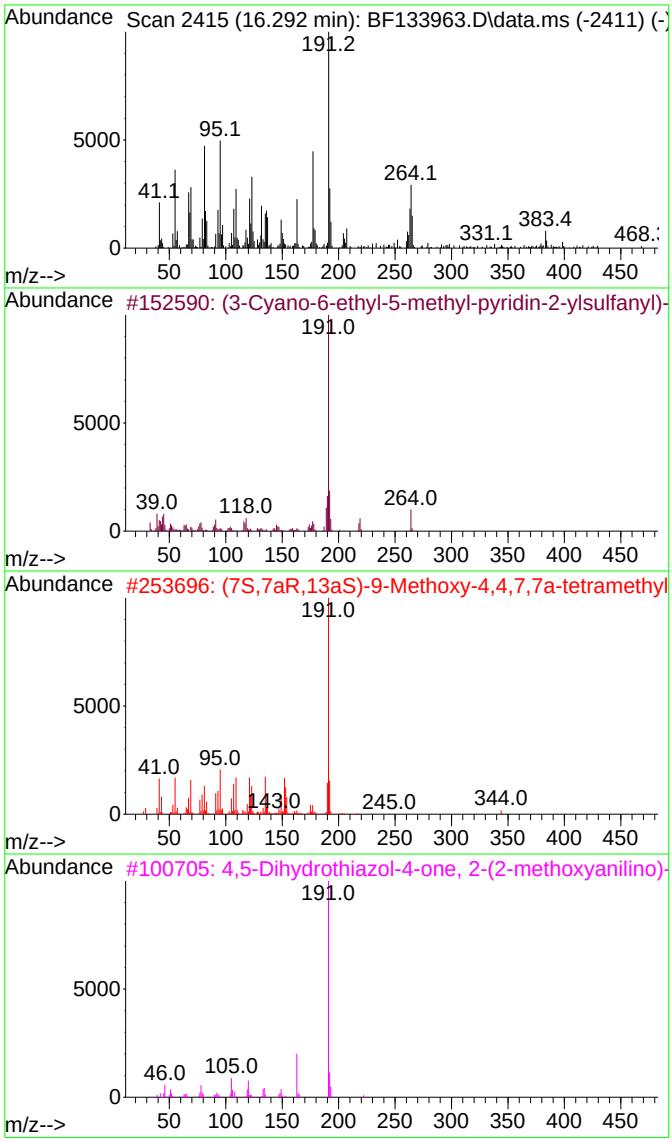
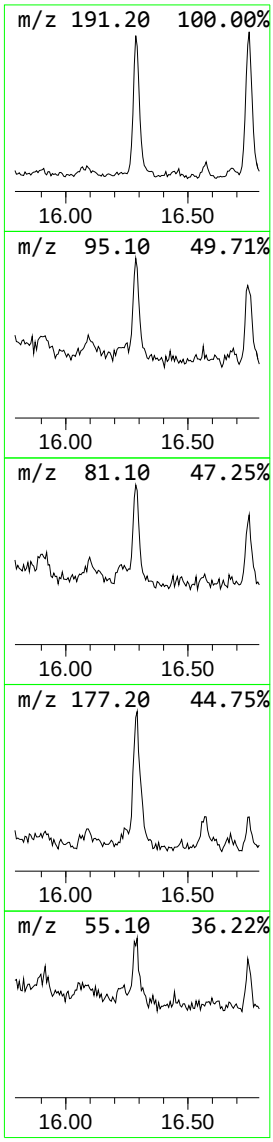
Peak Number 18 unknown16.292 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.292	23.89 ng	525454	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3-Cyano-6-ethyl-5-methyl-pyridi...	264	C13H16N2O2S	1000300-45-4	35
2	(7S,7aR,13aS)-9-Methoxy-4,4,7,7a...	344	C22H32O3	1000482-45-3	30
3	4,5-Dihydrothiazol-4-one, 2-(2-m...	222	C10H10N2O2S	022476-61-5	30
4	Benzamide, 2-fluoro-6-trifluorom...	261	C12H11F4NO	1000446-39-6	27
5	Benzamide, 3-fluoro-4-trifluorom...	381	C21H23F4NO	1000491-40-7	25





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Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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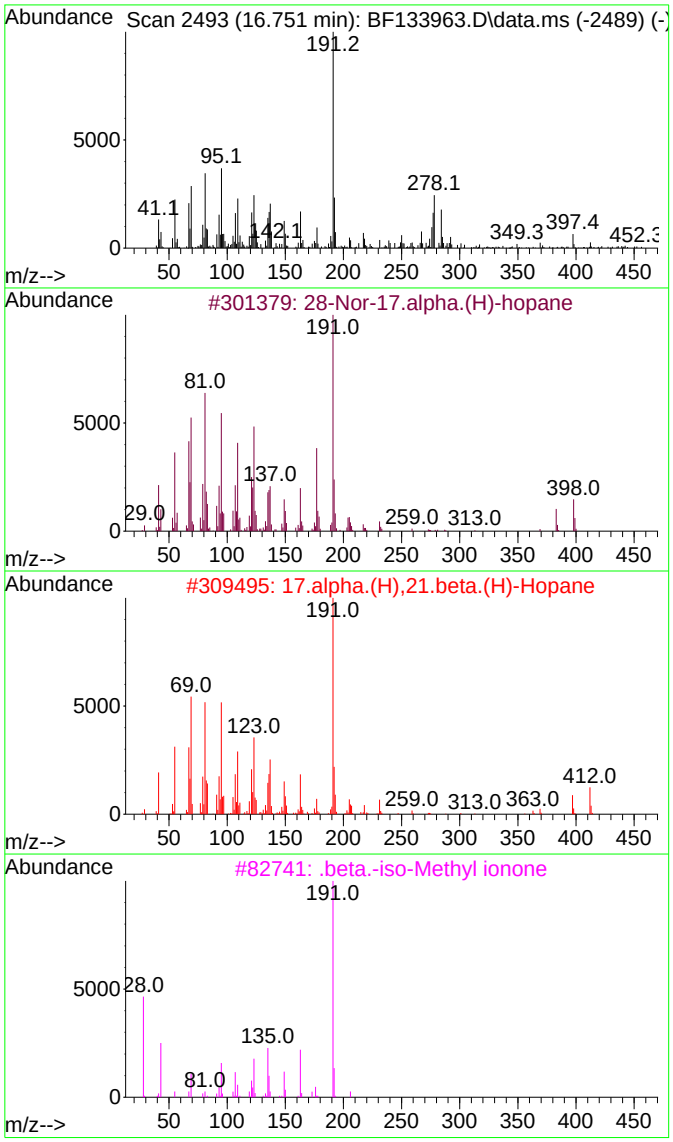
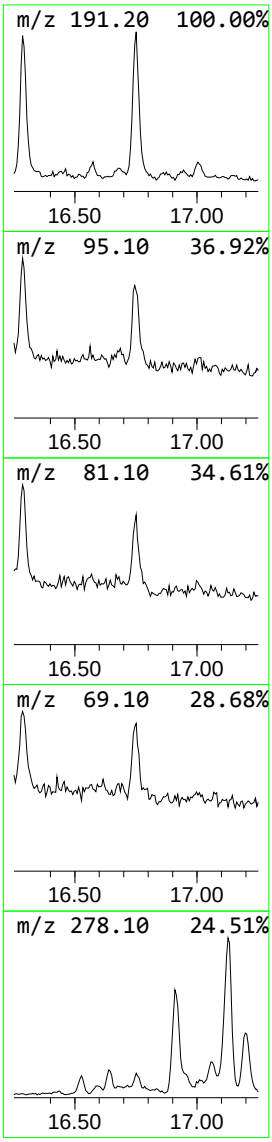
Peak Number 19 28-Nor-17.alpha.(H)-hopane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.751	15.64 ng	344100	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	50
2	17.alpha.(H),21.beta.(H)-Hopane	412	C30H52	013849-96-2	49
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	49
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	41
5	6-Fluoro-2-trifluoromethylbenzoi...	402	C18H8Cl2F4O2	1010343-74-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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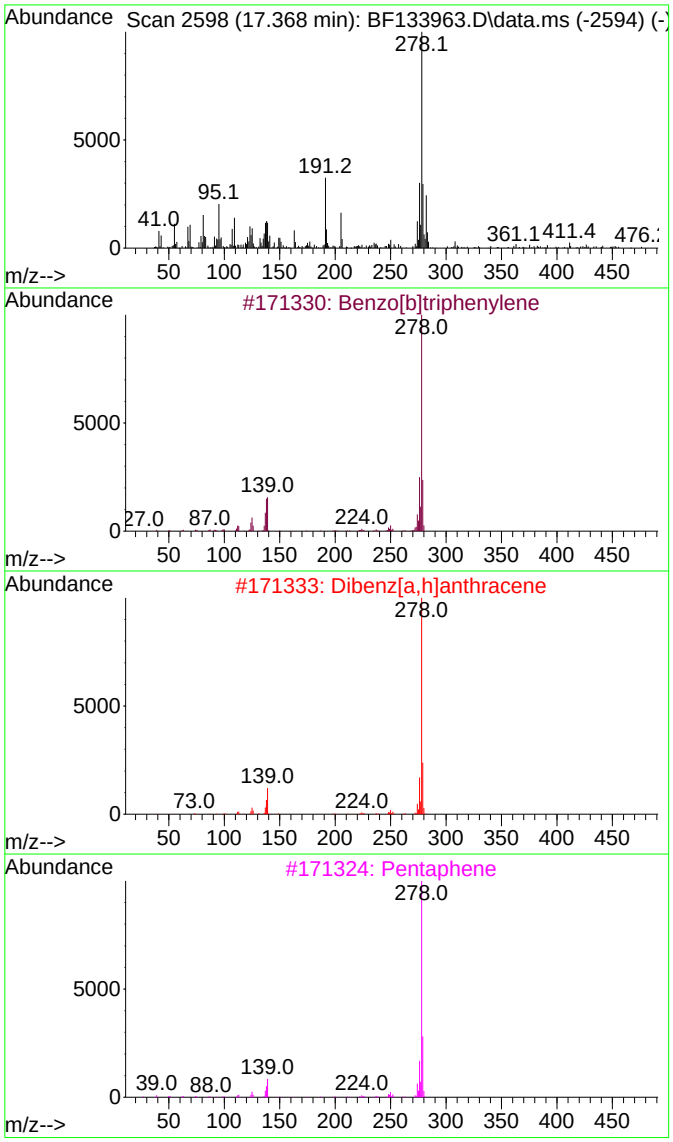
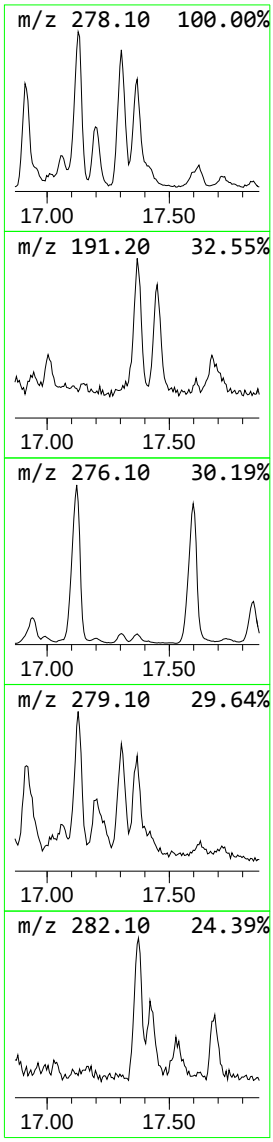
Peak Number 20 Benzo[b]triphenylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.368	18.67 ng	410785	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	83
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	55
3	Pentaphene	278	C22H14	000222-93-5	50
4	Benzo[b]chrysene	278	C22H14	000214-17-5	50
5	Pentacene	278	C22H14	000135-48-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
Data File : BF133963.D
Acq On : 26 Jun 2023 21:03
Operator : CG\JU
Sample : 03369-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1650

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.116	35.2	ng	1192570	1	6.851	677964	20.0
Naphthalene, 1,...	9.545	7.9	ng	264177	3	9.886	668172	20.0
Dibenzofuran, 4...	10.592	10.1	ng	338332	3	9.886	668172	20.0
9H-Fluorene, 1-...	10.986	9.2	ng	327642	4	11.380	716022	20.0
4-(4-Methylphen...	11.227	7.9	ng	282745	4	11.380	716022	20.0
Dibenzothiophene	11.275	11.4	ng	409551	4	11.380	716022	20.0
Phenanthrene, 2...	11.886	20.8	ng	746117	4	11.380	716022	20.0
Phenanthrene, 1...	11.916	34.2	ng	1225020	4	11.380	716022	20.0
Anthracene, 2-m...	11.963	14.7	ng	527048	4	11.380	716022	20.0
4H-Cyclopenta[d...	12.004	51.0	ng	1826460	4	11.380	716022	20.0
Naphthalene, 2-...	12.186	13.7	ng	489800	4	11.380	716022	20.0
Phenanthrene, 2...	12.439	18.1	ng	646843	4	11.380	716022	20.0
Acephenanthryle...	12.480	15.4	ng	551106	4	11.380	716022	20.0
Cyclopenta(def)...	12.533	14.1	ng	505842	4	11.380	716022	20.0
Benzene, 1,1'-(...	12.704	7.6	ng	272574	4	11.380	716022	20.0
Benzo[e]pyrene	15.227	20.5	ng	450800	6	15.563	439966	20.0
Benzo[j]fluoran...	15.433	67.4	ng	1482290	6	15.563	439966	20.0
unknown16.292	16.292	23.9	ng	525454	6	15.563	439966	20.0
28-Nor-17.alpha...	16.751	15.6	ng	344100	6	15.563	439966	20.0
Benzo[b]triphen...	17.368	18.7	ng	410785	6	15.563	439966	20.0