LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-07312025

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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143296.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	5	12	22	rVB	438807	685251	18.74%	1.590%
2	5.181	501	508	520	rVB	114962	163811	4.48%	0.380%
3	5.587	568	577	590	rBV	1053099	1418006	38.78%	3.290%
4	6.581	740	746	755	rBV	1034336	1355361	37.06%	3.145%
5	6.787	777	781	786	rBV	57852	78946	2.16%	0.183%
6	6.957	805	810	817	rBV	550920	681725	18.64%	1.582%
7	7.510	896	904	909	rBV	709000	895845	24.50%	2.079%
8	8.240	1022	1028	1036	rBV2	640369	1007675	27.56%	2.338%
9	8.951	1145	1149	1153	rVB	84865	102610	2.81%	0.238%
10	9.051	1161	1166	1171	rVB	107847	136521	3.73%	0.317%
11	9.310	1205	1210	1215	rVV	1196595	1445048	39.52%	3.353%
12	9.404	1221	1226	1231	rBV3	39008	79327	2.17%	0.184%
13	9.510	1241	1244	1249	rVB	28980	41324	1.13%	0.096%
14	9.575	1250	1255	1260	rBV	81590	135320	3.70%	0.314%
15	9.651	1264	1268	1271	rVV	127347	185814	5.08%	0.431%
16	9.675	1271	1272	1276	rVV	77858	85759	2.35%	0.199%
17	9.716	1276	1279	1284	rVV	49595	63547	1.74%	0.147%
18	9.769	1284	1288	1297	rVB	65602	107800	2.95%	0.250%
19	9.851	1298	1302	1308	rBV	167875	227699	6.23%	0.528%
20	9.992	1319	1326	1329	rBV	603508	794400	21.72%	1.843%
21	10.028	1329	1332	1340	rVB	257152	336206	9.19%	0.780%
22	10.098	1340	1344	1348	rBV2	44905	65730	1.80%	0.153%
23	10.151	1349	1353	1356	rBV3	26571	46812	1.28%	0.109%
24	10.198	1356	1361	1364	rVB	144468	190909	5.22%	0.443%
25	10.234	1364	1367	1375	rVB4	46206	68572	1.88%	0.159%
26	10.310	1376	1380	1383	rBV2	56584	78749	2.15%	0.183%
27	10.416	1391	1398	1402	rBV4	62836	137740	3.77%	0.320%
28	10.539	1415	1419	1425	rBV	307963	407328	11.14%	0.945%
29	10.604	1426	1430	1432	rBV2	42927	66547	1.82%	0.154%
30	10.698	1442	1446	1451	rVB	135267	177516	4.85%	0.412%
31	10.781	1455	1460	1465	rBV	608825	789575	21.59%	1.832%
32	10.904	1476	1481	1489	rVB2	114341	188571	5.16%	0.438%
33	11.086	1508	1512	1515	rBV2	89340	128398	3.51%	0.298%
34	11.116	1515	1517	1524	rVB6	49215	76308	2.09%	0.177%
35	11.339	1551	1555	1558	rBV2	68584	111664	3.05%	0.259%
36	11.375	1558	1561	1567	rVB	171965	232275	6.35%	0.539%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.481	1575	1579	1580	rBV	537260	580986	15.89%	1.348%
38	11.504	1580	1583	1588	rVV	1541376	2083554	56.98%	4.834%
39	11.557	1588	1592	1595	rVV	460602	540836	14.79%	1.255%
40	11.704	1614	1617	1625	rBV	85995	152818	4.18%	0.355%
41	11.775	1625	1629	1632	rBV2	101492	125920	3.44%	0.292%
42	11.810	1633	1635	1640	rVB2	55982	69622	1.90%	0.162%
43	12.010	1660	1669	1674	rBV2	484257	1036229	28.34%	2.404%
44	12.057	1674	1677	1680	rVV	135753	180953	4.95%	0.420%
45	12.098	1680	1684	1691	rVB2	608415	1033363	28.26%	2.398%
46	12.181	1695	1698	1701	rVB2	77527	89074	2.44%	0.207%
47	12.275	1711	1714	1725	rVB3	179726	360424	9.86%	0.836%
48	12.463	1743	1746	1753	rVB2	83496	168649	4.61%	0.391%
49	12.533	1754	1758	1761	rBV	210804	302435	8.27%	0.702%
50	12.569	1761	1764	1770	rVV3	203365	338460	9.26%	0.785%
51	12.622	1770	1773	1778	rVV4	76991	131242	3.59%	0.305%
52	12.698	1781	1786	1790	rBV	2316846	3095645	84.65%	7.183%
53	12.739	1790	1793	1798	rVV2	264042	352337	9.63%	0.818%
54	12.792	1799	1802	1805	rVB	104951	127396	3.48%	0.296%
55	12.933	1818	1826	1831	rBV	2241199	3656871	100.00%	8.485%
56	13.063	1842	1848	1856	rVB	1152659	1780926	48.70%	4.132%
57	13.145	1857	1862	1869	rBV4	210466	453757	12.41%	1.053%
58	13.251	1874	1880	1884	rVB	449847	742591	20.31%	1.723%
59	13.322	1888	1892	1895	rVV	361095	484262	13.24%	1.124%
60	13.357	1895	1898	1906	rVB3	263791	404656	11.07%	0.939%
61	13.451	1911	1914	1916	rVV	128953	139400	3.81%	0.323%
62	13.480	1917	1919	1923	rVB	135175	152366	4.17%	0.354%
63	13.875	1983	1986	1988	rBV	134810	176406	4.82%	0.409%
64	13.898	1988	1990	1993	rVV	125659	153742	4.20%	0.357%
65	14.122	2022	2028	2031	rBV2	1558458	2725610	74.53%	6.324%
66	14.151	2031	2033	2040	rVB	1182579	1429564	39.09%	3.317%
67	14.233	2044	2047	2050	rVB	204508	227490	6.22%	0.528%
68	15.192	2205	2210	2218	rBV	1028512	2447373	66.93%	5.679%
69	15.298	2226	2228	2233	rVB	220690	275862	7.54%	0.640%
70	15.504	2259	2263	2269	rVB	577147	946747	25.89%	2.197%
71	15.569	2270	2274	2280	rVB	824744	1281472	35.04%	2.973%
72	15.633	2281	2285	2288	rBV	361609	575793	15.75%	1.336%
73	17.174	2541	2547	2556	rVB2	387339	835410	22.84%	1.938%
74	17.639	2621	2626	2638	rVB	283187	643385	17.59%	1.493%

Sum of corrected areas: 43098315

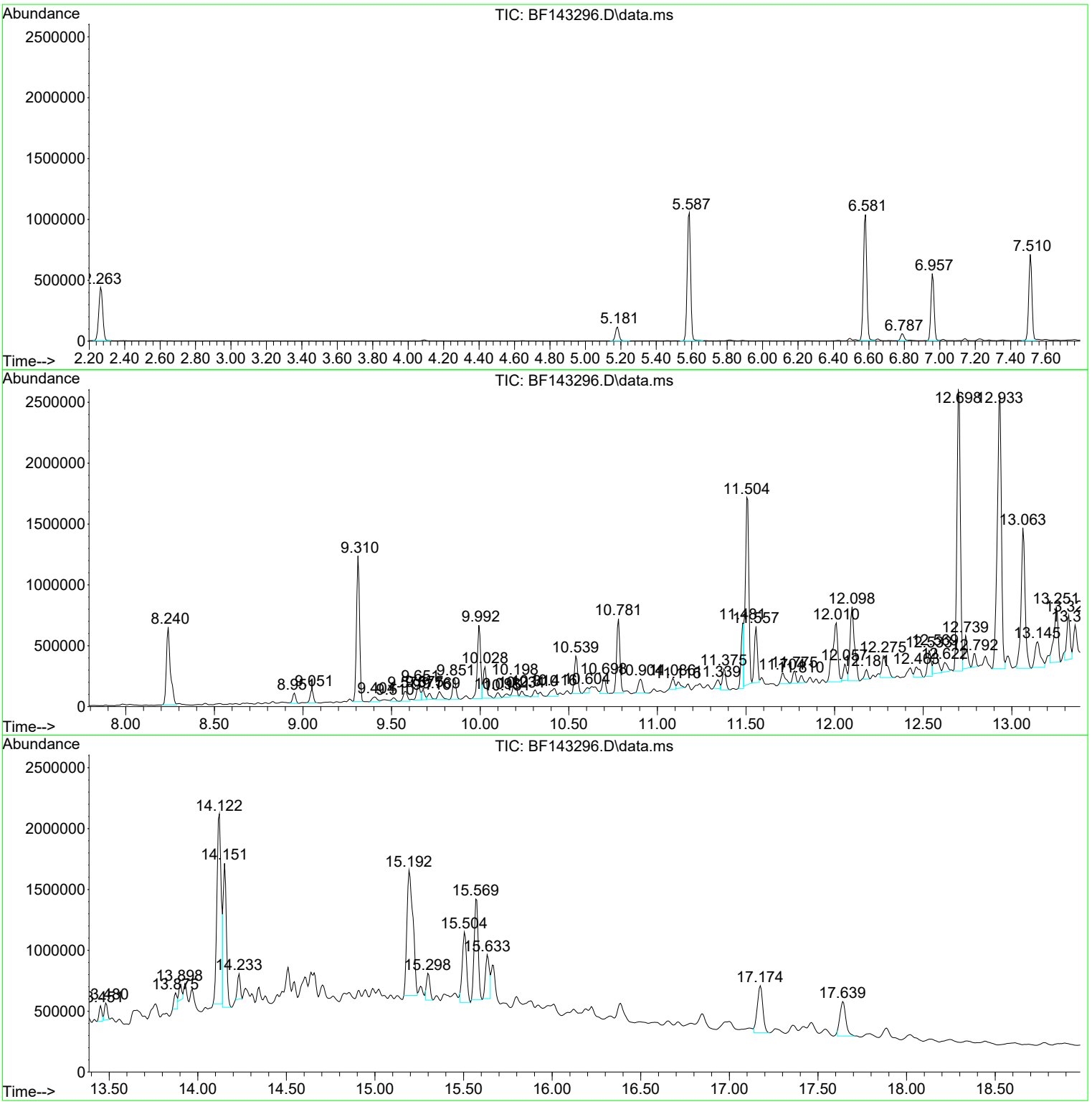
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

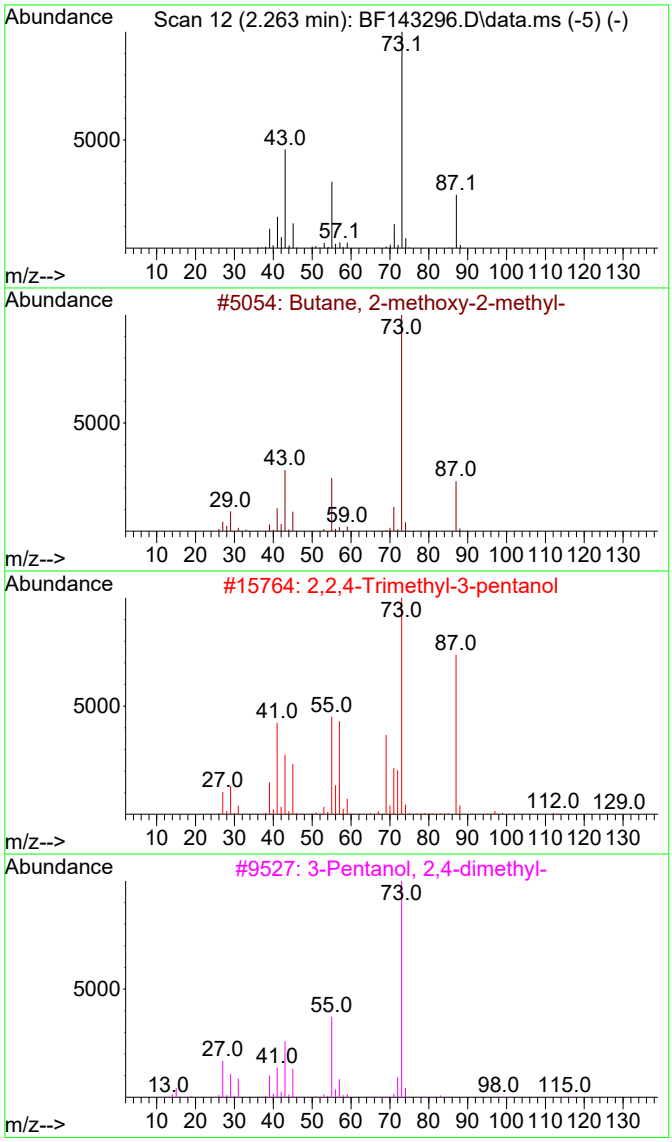
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

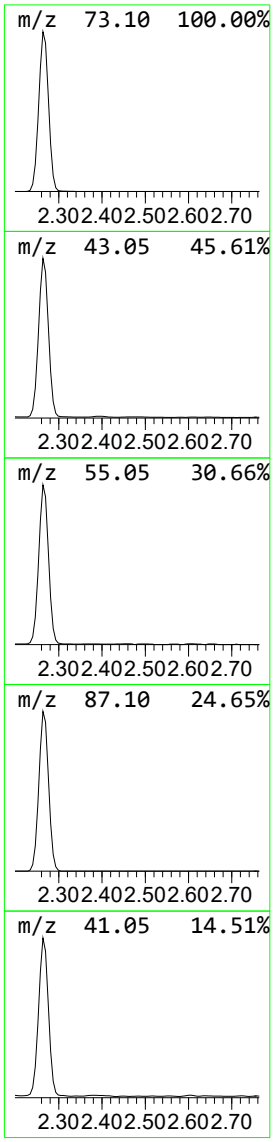
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	20.10 ng	685251	1,4-Dichlorobenzene-d4	6.957

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	39
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

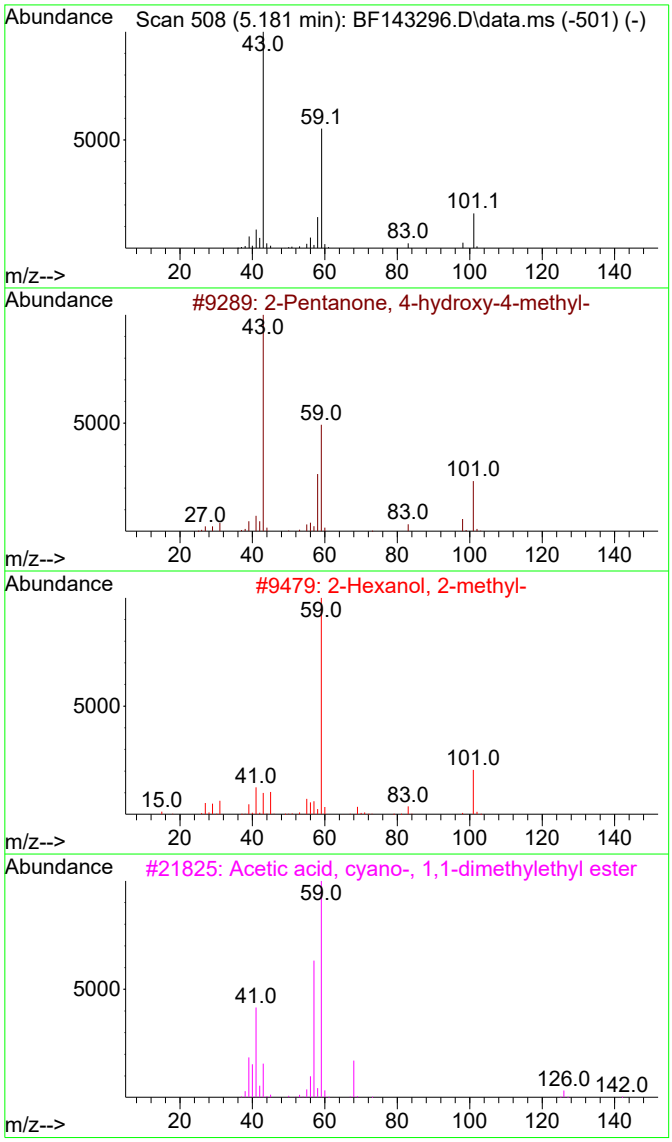
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

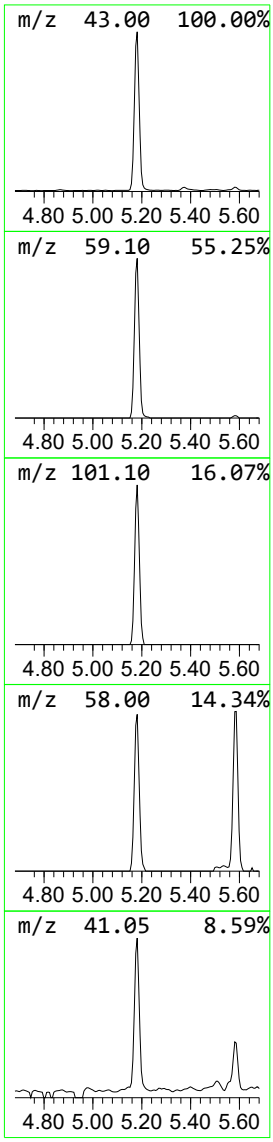
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.181	4.81 ng	163811	1,4-Dichlorobenzene-d4	6.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

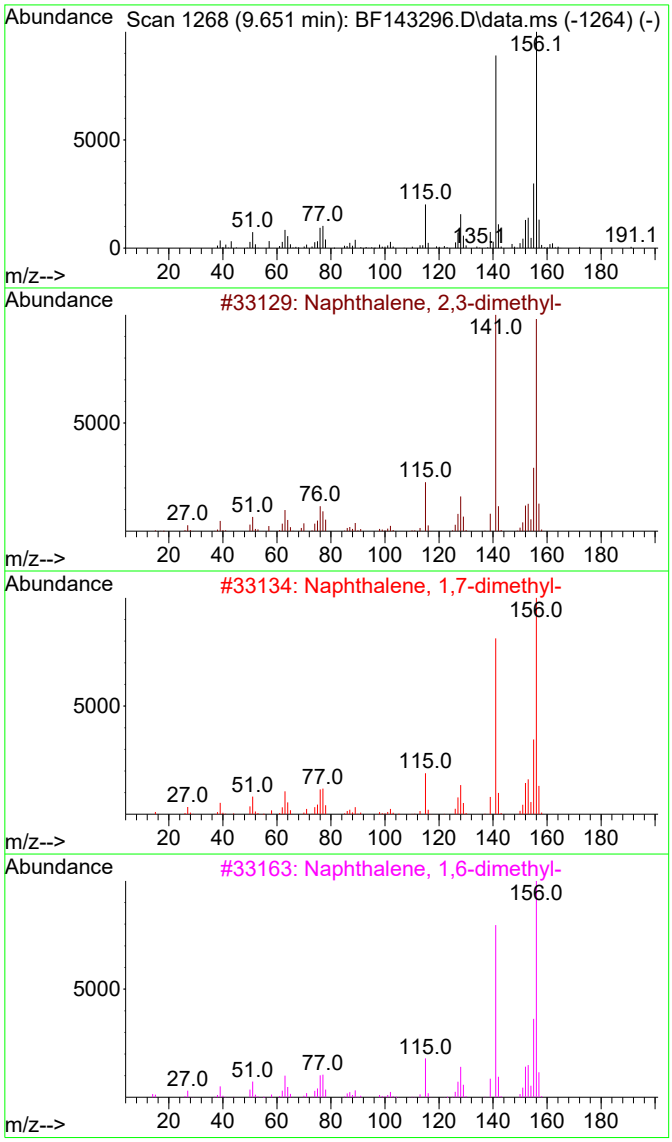
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

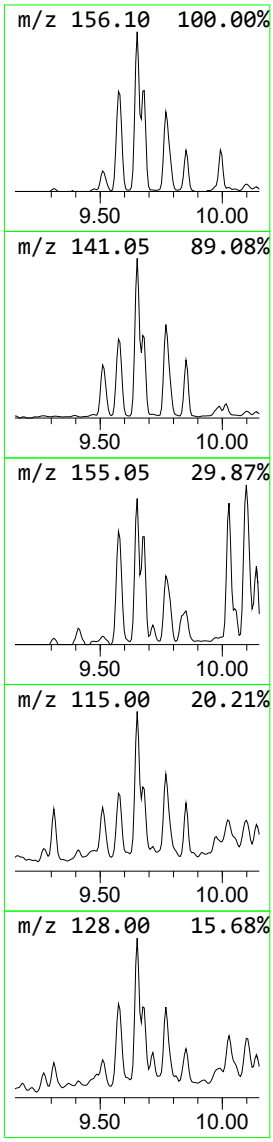
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.651	4.68 ng	185814	Acenaphthene-d10	9.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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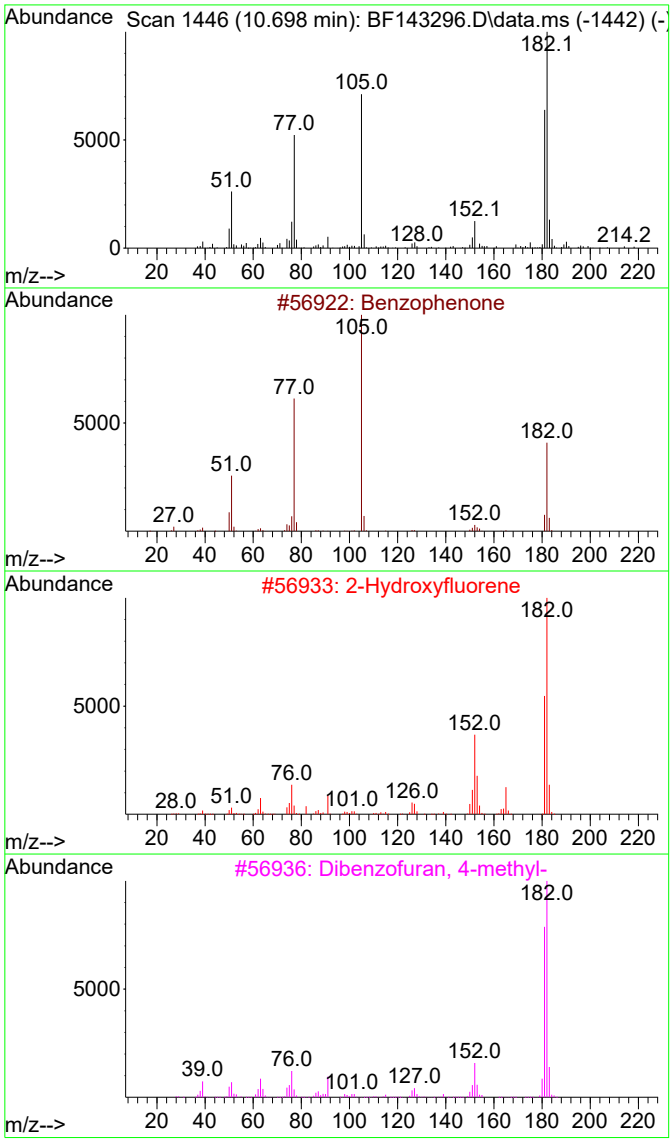
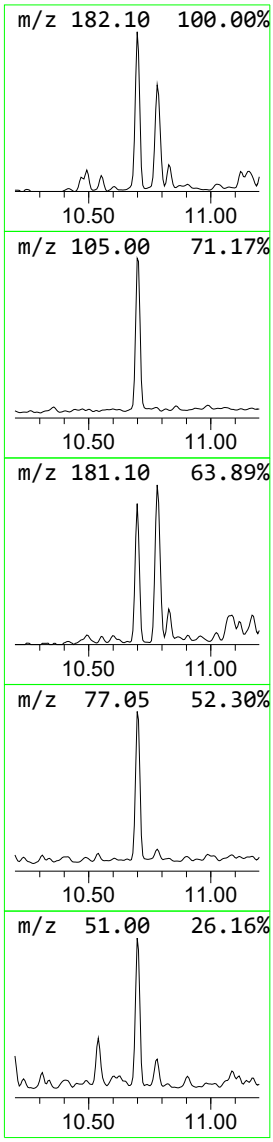
Peak Number 4 Benzophenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.698	4.47 ng	177516	Acenaphthene-d10	9.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	68
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	58
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	58
4	1-(Difluoromethyl)-6-methylpyrro...	182	C9H8F2N2	1000411-14-9	47
5	9H-Xanthene	182	C13H10O	000092-83-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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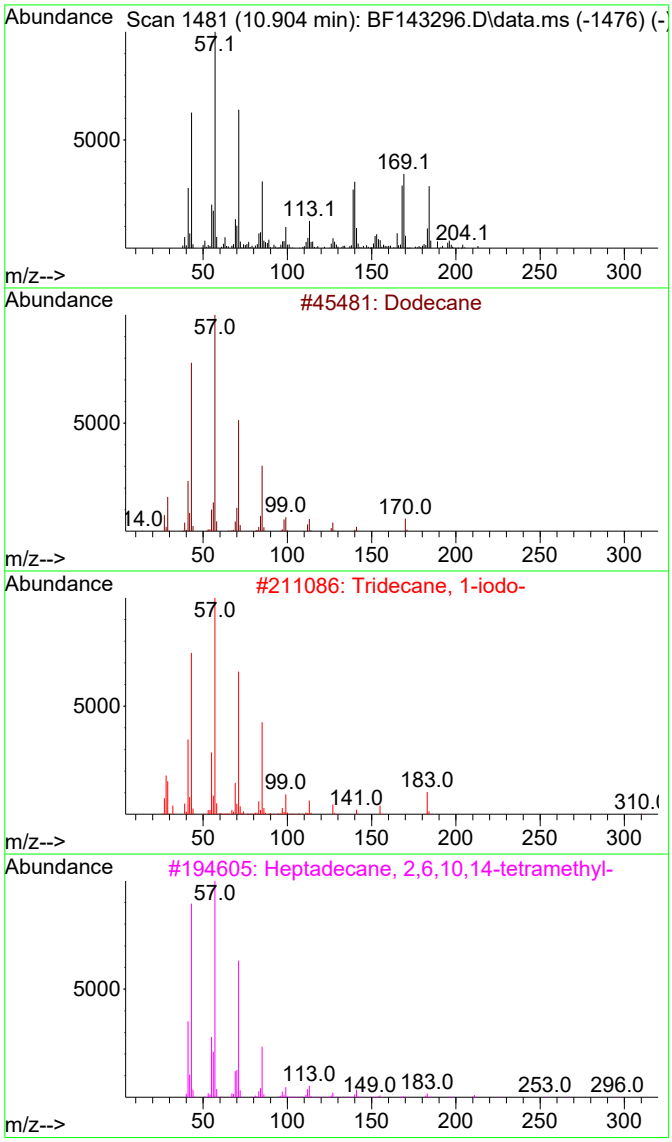
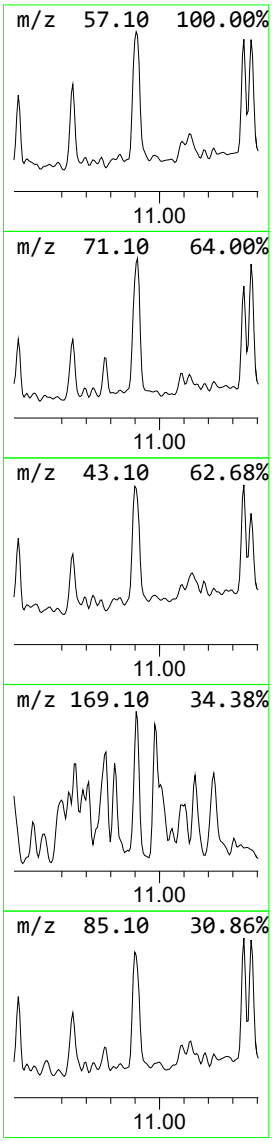
Peak Number 5 unknown10.904 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.904	6.49 ng	188571	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	38
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	30
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	30
4	Octadecane	254	C18H38	000593-45-3	25
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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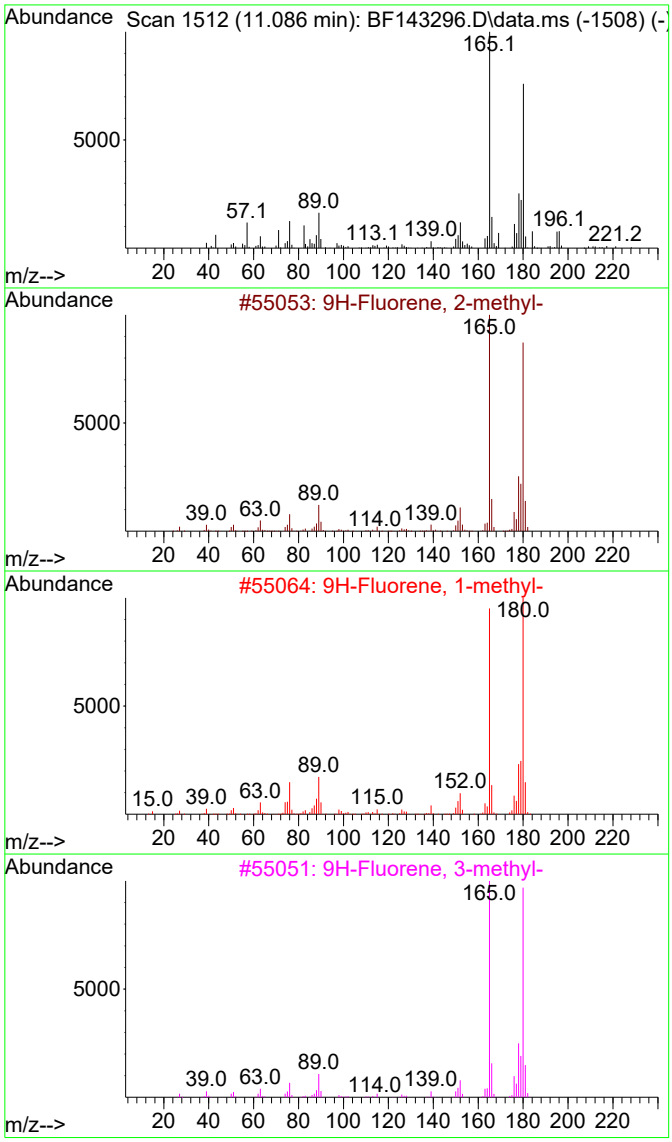
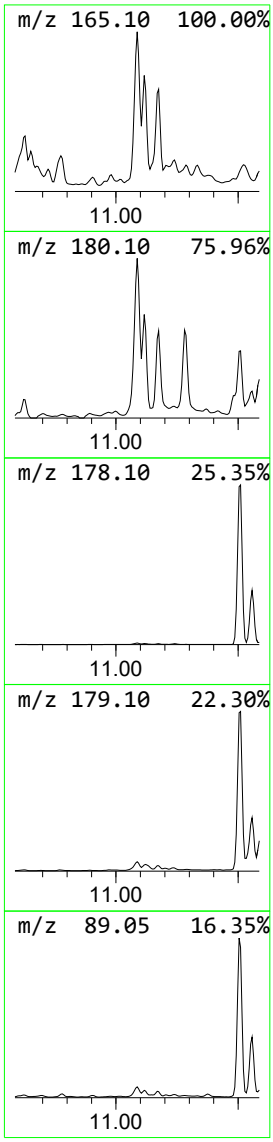
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.086	4.42 ng	128398	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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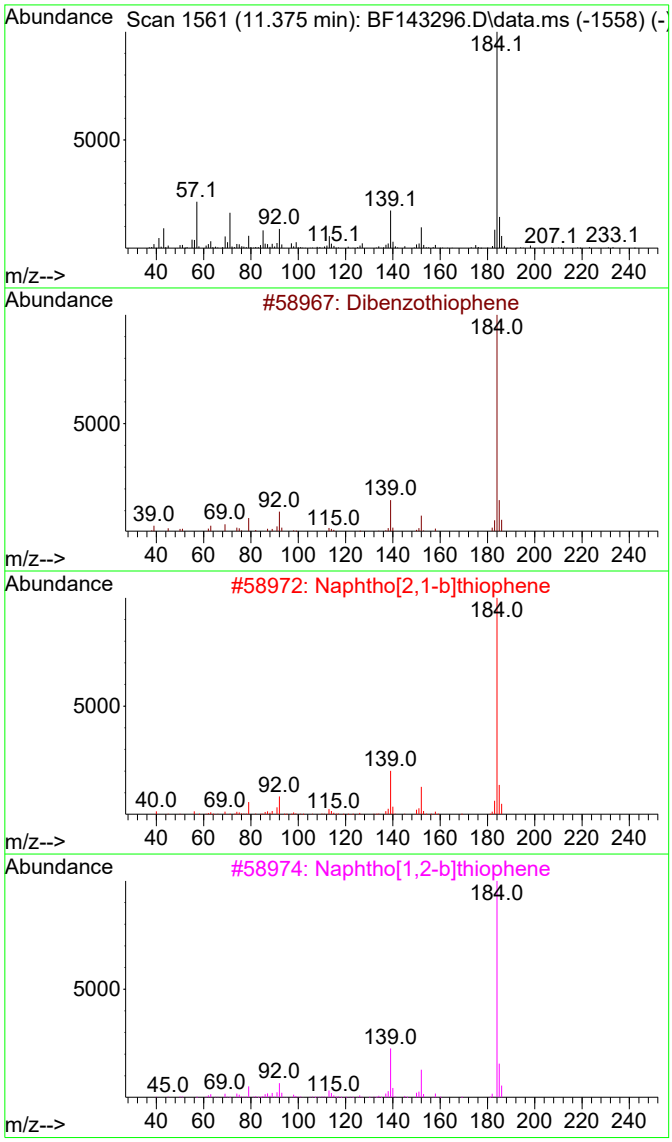
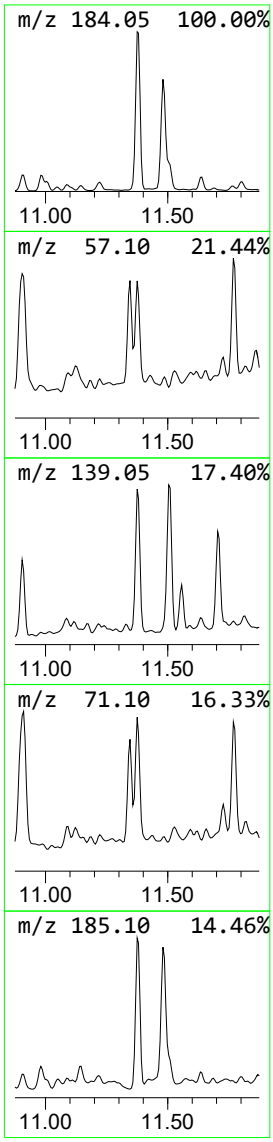
Peak Number 7 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.375	8.00 ng	232275	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





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Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-07312025

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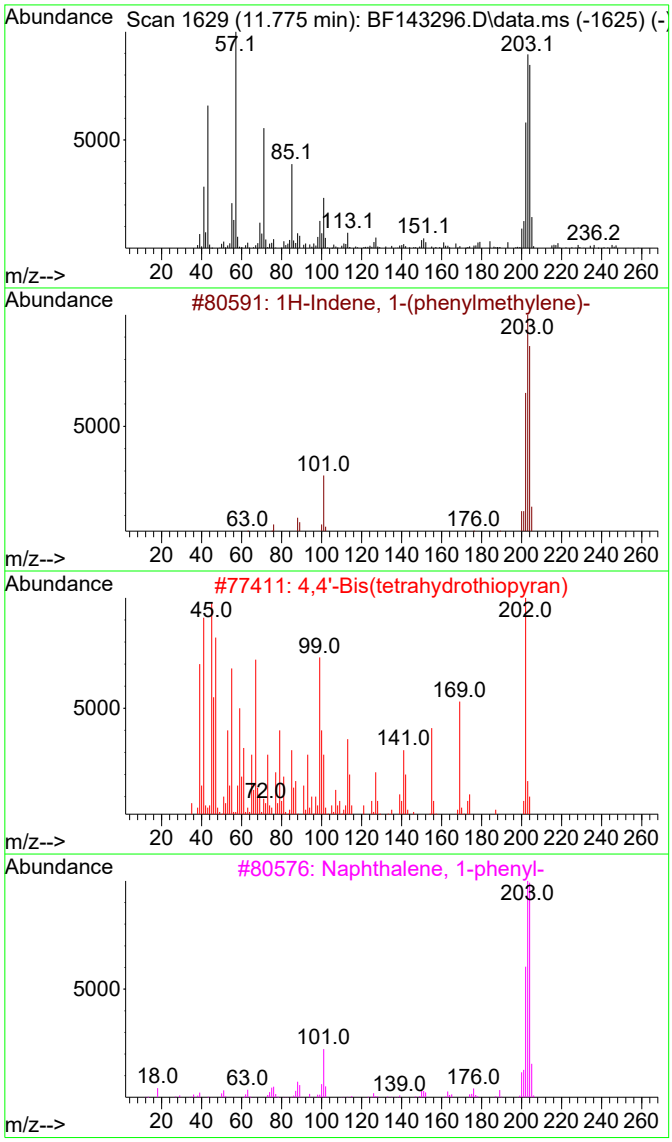
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

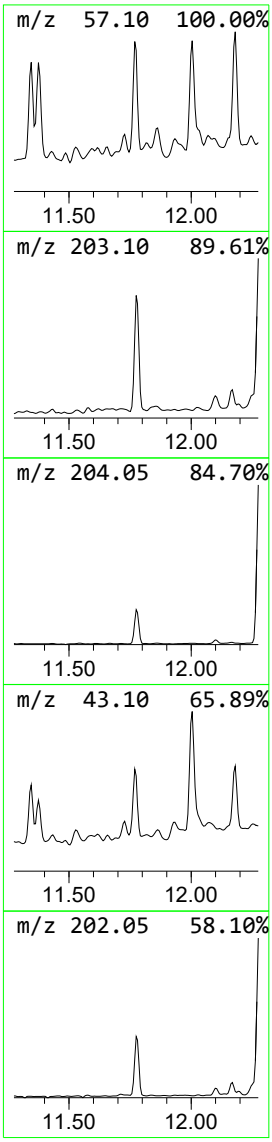
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 1-(phenylmethyle... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	4.33 ng	125920	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	87
2	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	56
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4	Naphthalene, 1,8-di-1-propynyl-	204	C16H12	022360-77-6	49
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	49





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Misc :
ALS Vial : 8 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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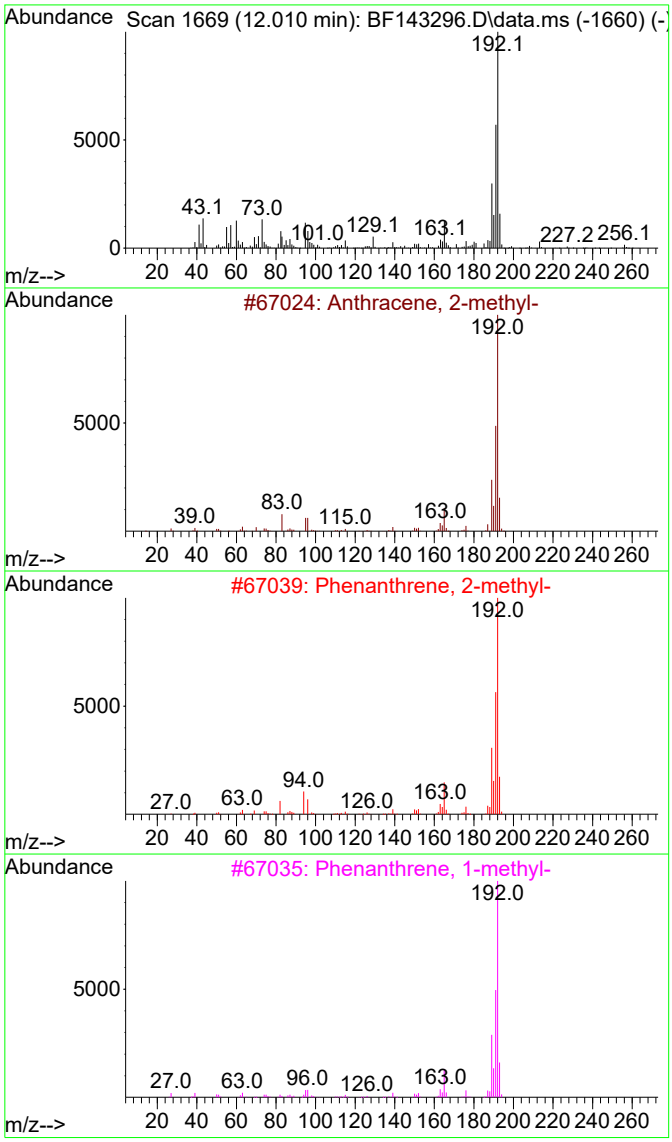
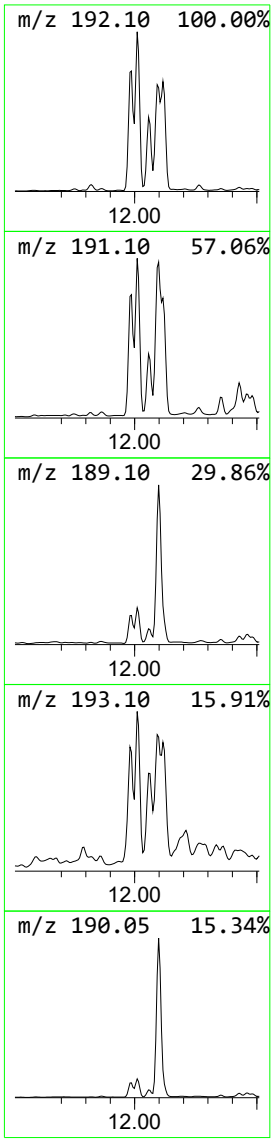
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	35.67 ng	1036230	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Misc :
ALS Vial : 8 Sample Multiplier: 1

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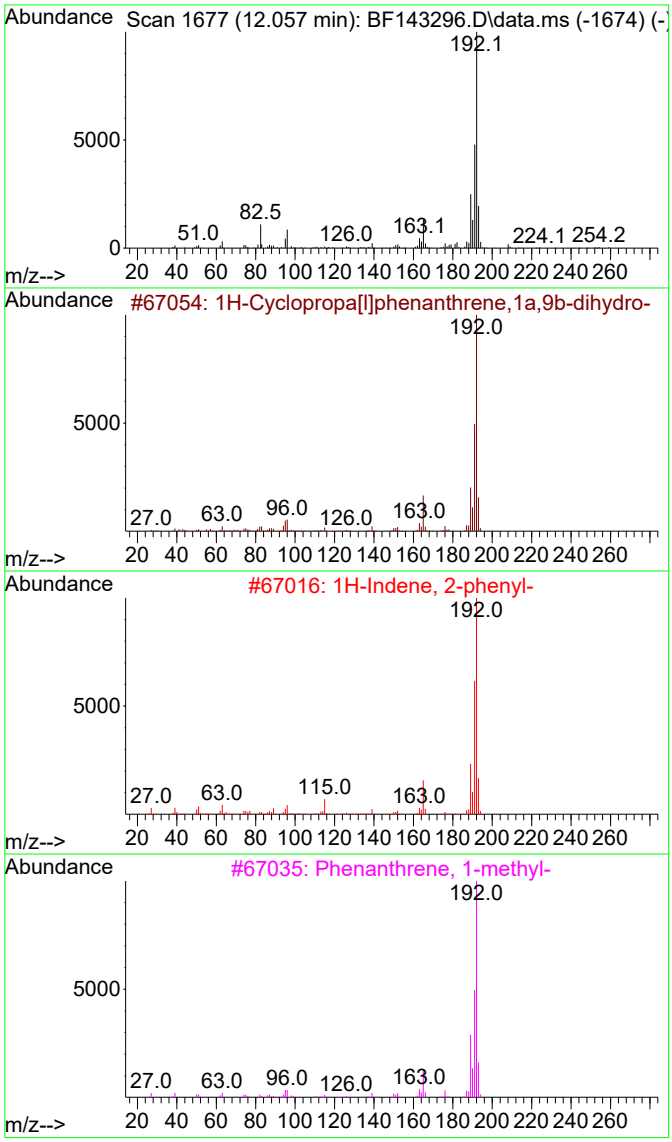
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

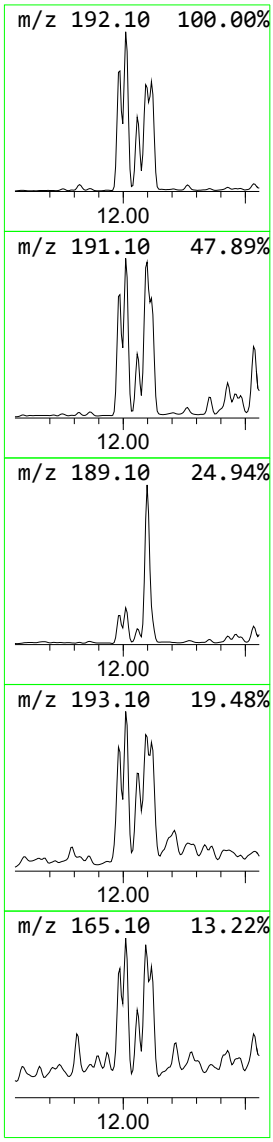
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	6.23 ng	180953	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : Q2740-01
Misc :
ALS Vial : 8 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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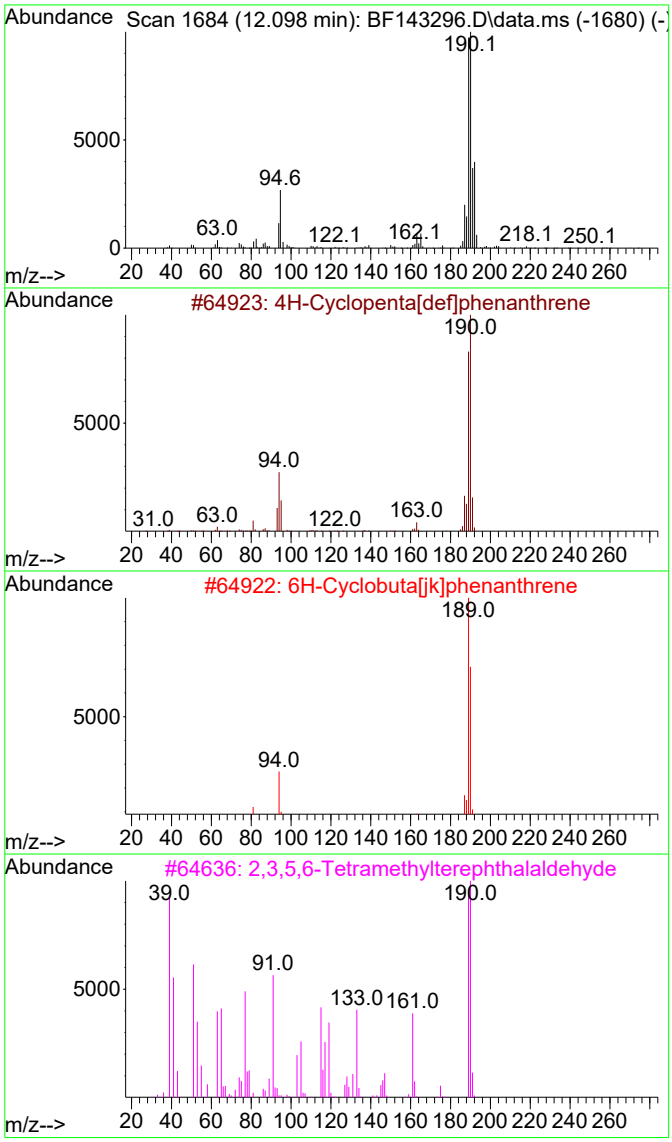
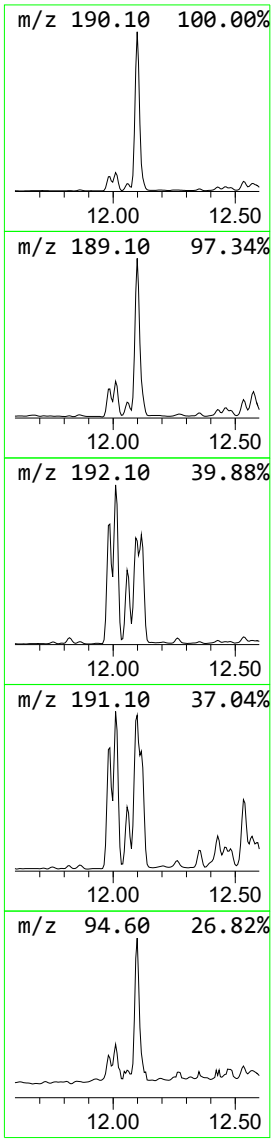
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	35.57 ng	1033360	Phenanthrene-d10	11.480

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	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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ALS Vial : 8 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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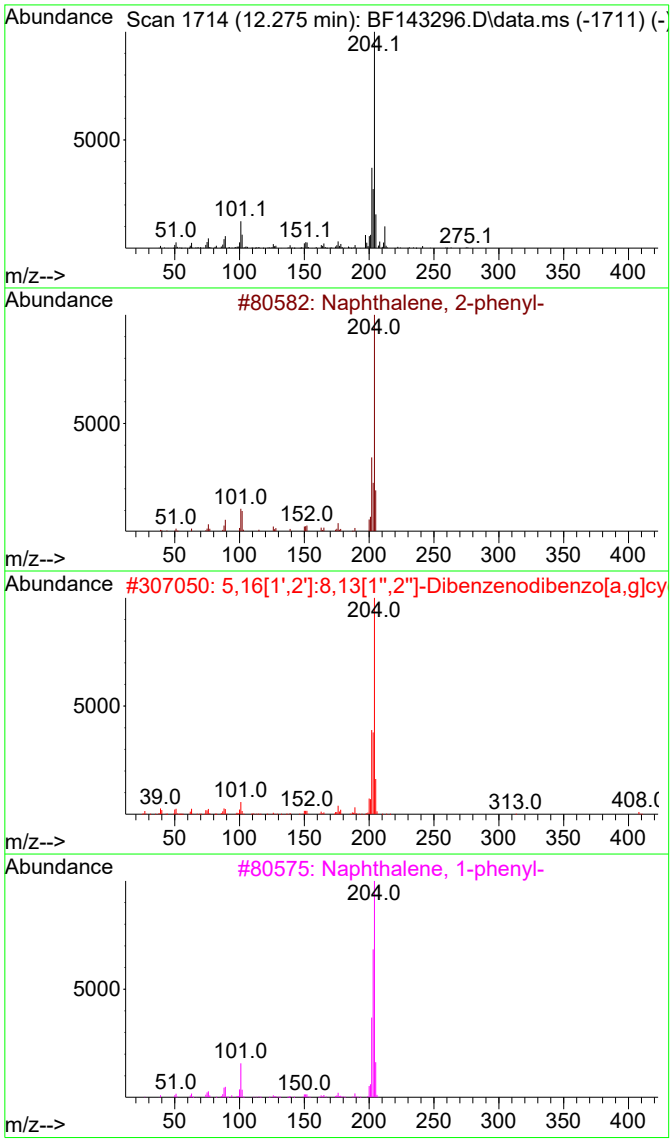
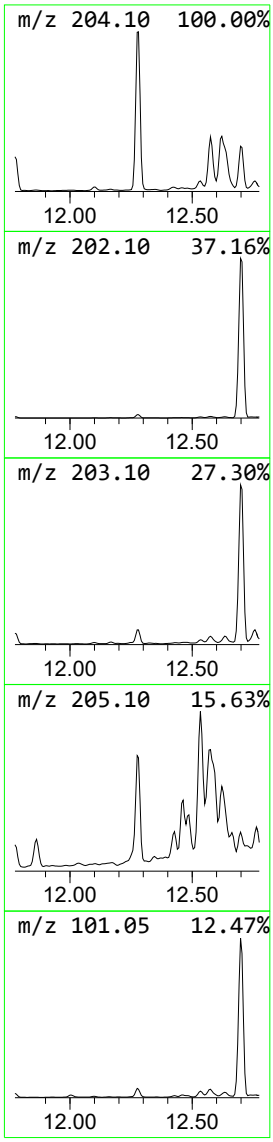
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.275	12.41 ng	360424	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	50





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ALS Vial : 8 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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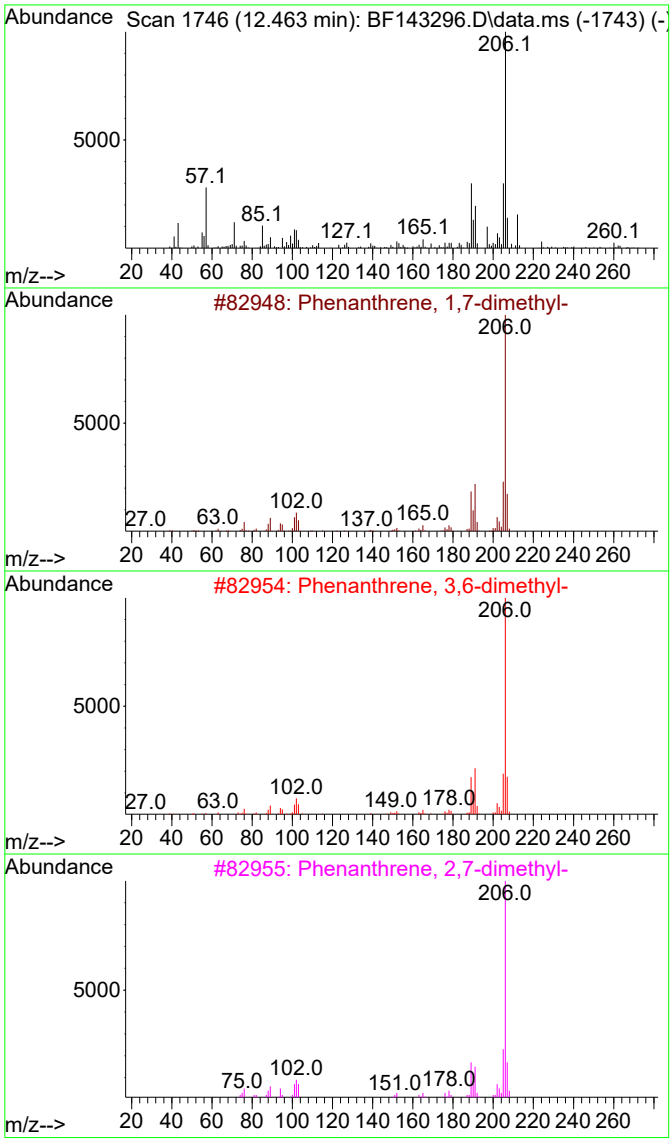
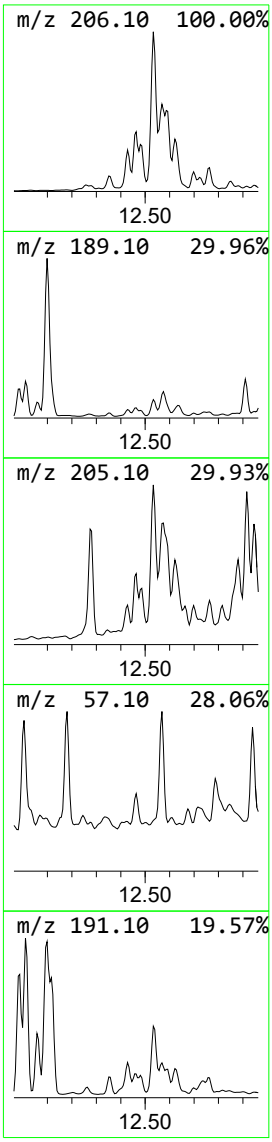
Peak Number 13 Phenanthrene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	5.81 ng	168649	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	68
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	62
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	53





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Sample : Q2740-01
Misc :
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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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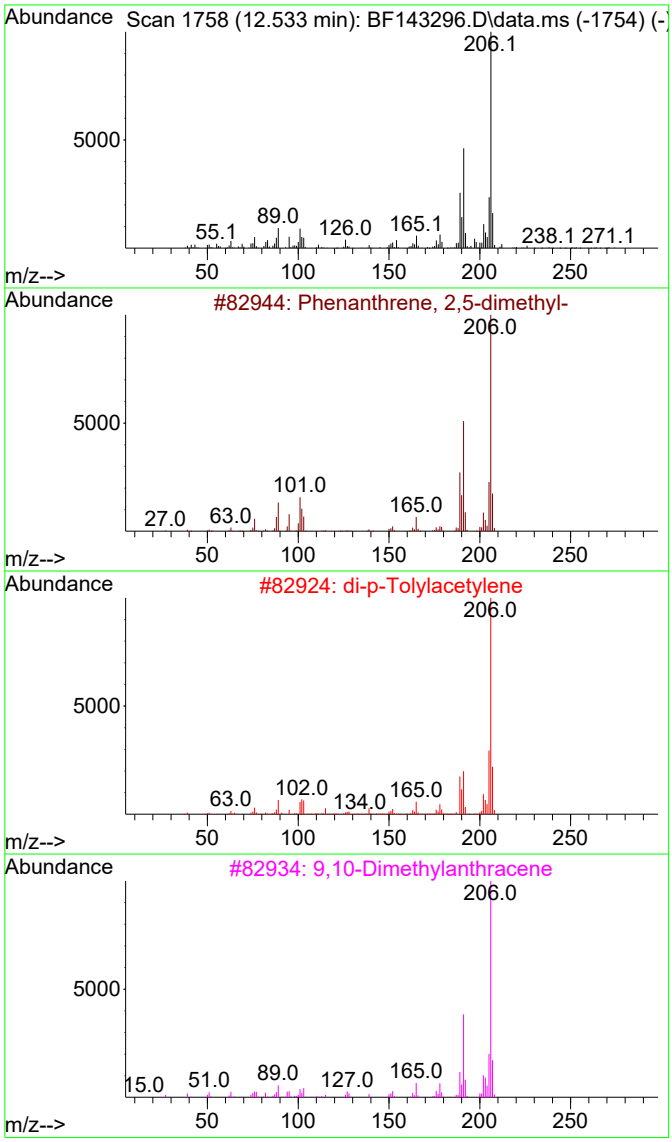
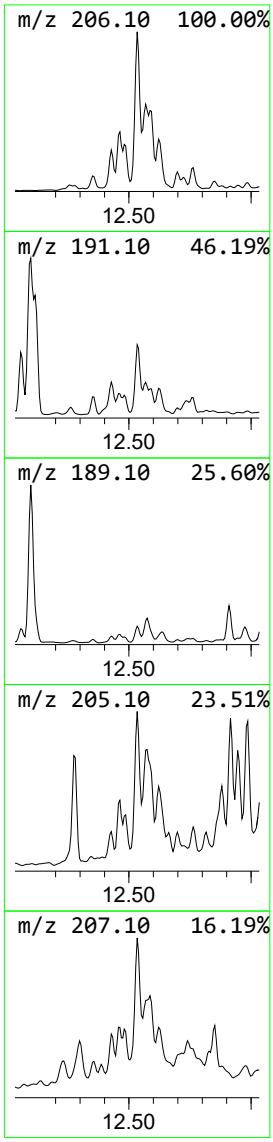
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	10.41 ng	302435	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Sample : Q2740-01
Misc :
ALS Vial : 8 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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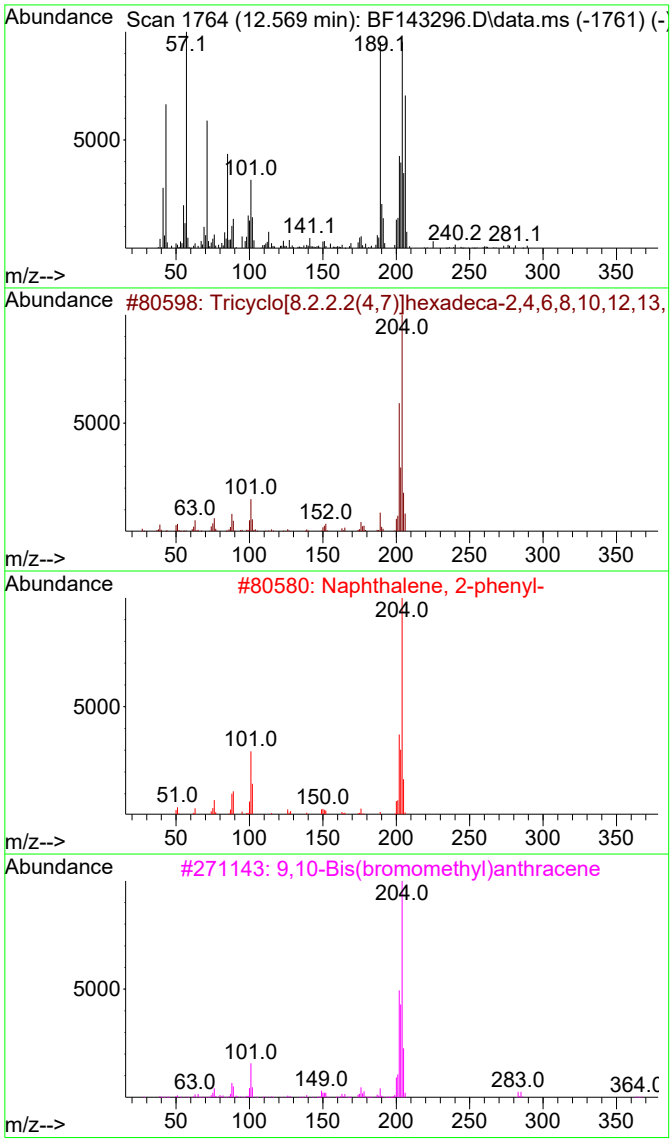
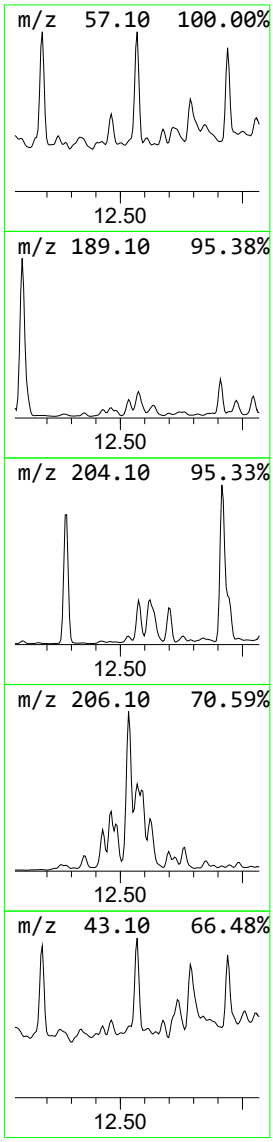
Peak Number 15 unknown12.569 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	11.65 ng	338460	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
4	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	27
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25





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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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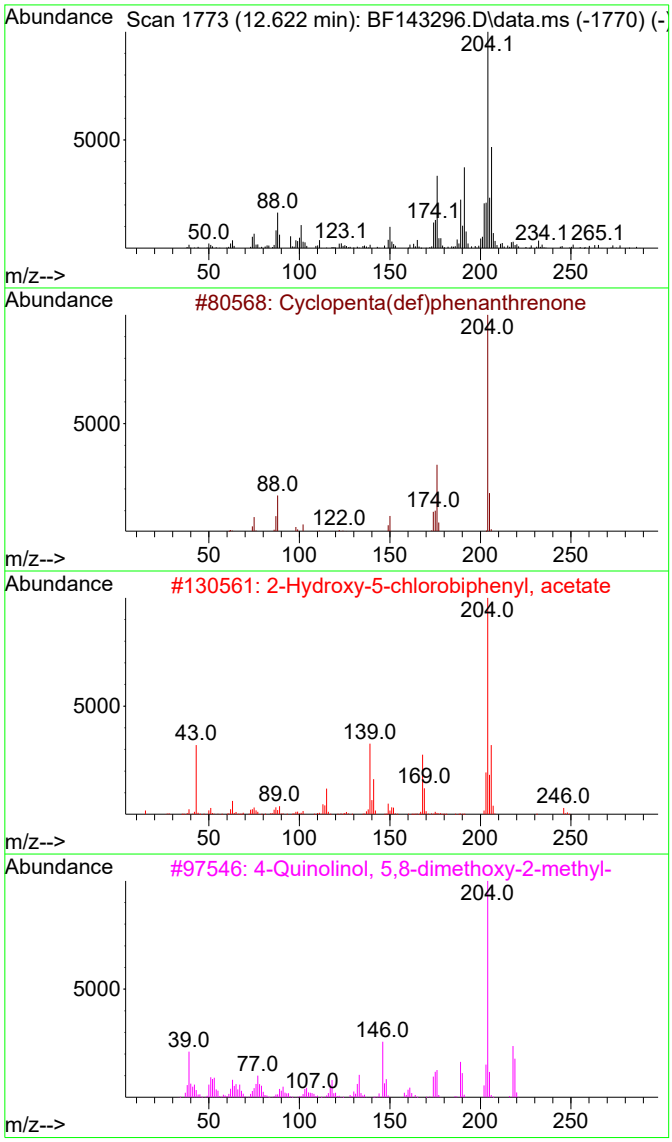
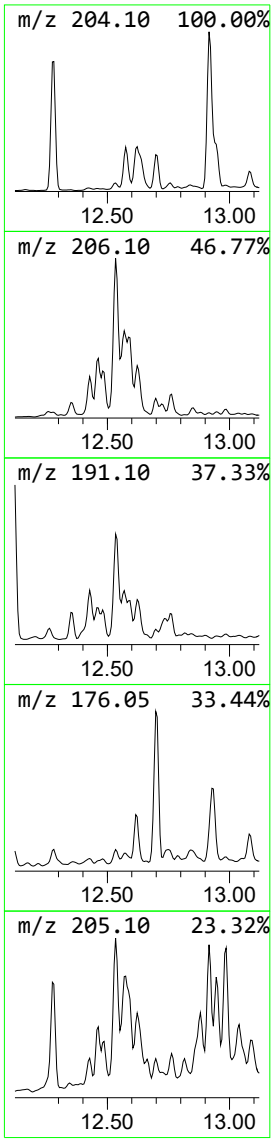
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.622	4.52 ng	131242	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	2-Hydroxy-5-chlorobiphenyl, acetate	246	C14H11ClO2	1000447-68-0	50
3	4-Quinolinol, 5,8-dimethoxy-2-me...	219	C12H13NO3	1000337-90-3	43
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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ALS Vial : 8 Sample Multiplier: 1

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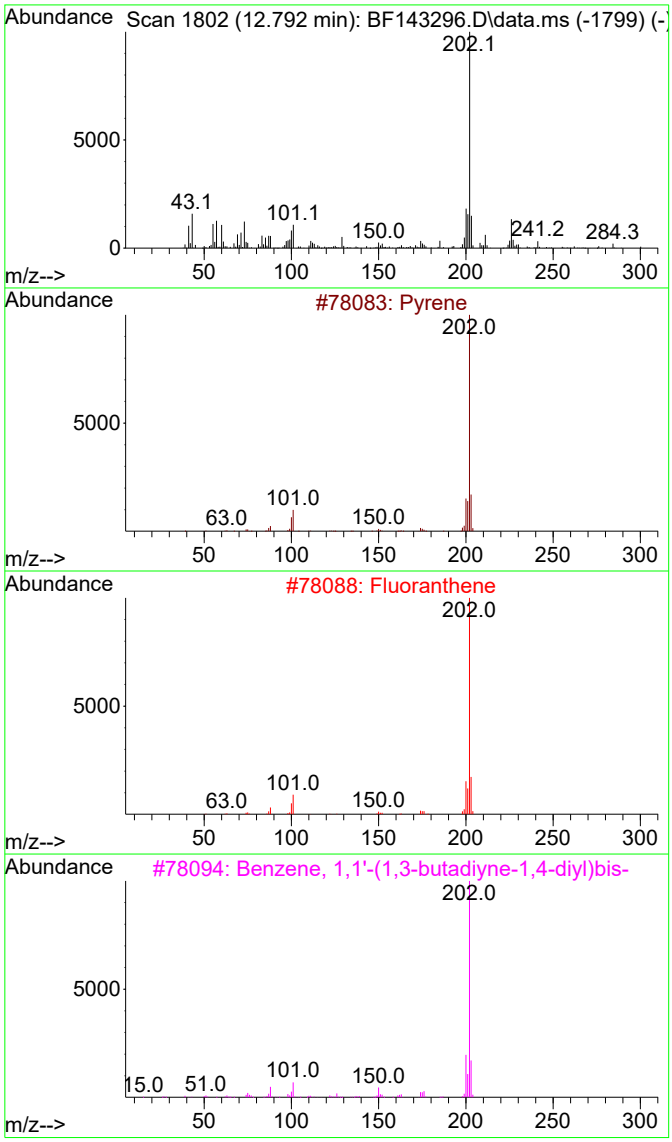
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

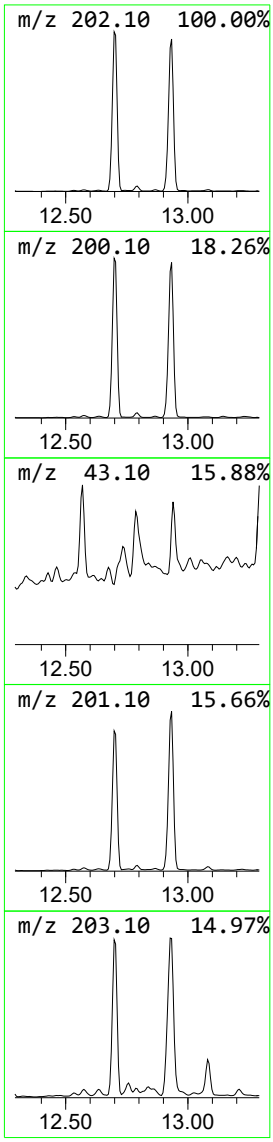
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.792	4.39 ng	127396	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	76
2	Fluoranthene	202	C16H10	000206-44-0	76
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	62
4	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	59
5	4,5-Dihydronaphtho(2,1-d)thiazol...	202	C11H10N2S	034176-49-3	53





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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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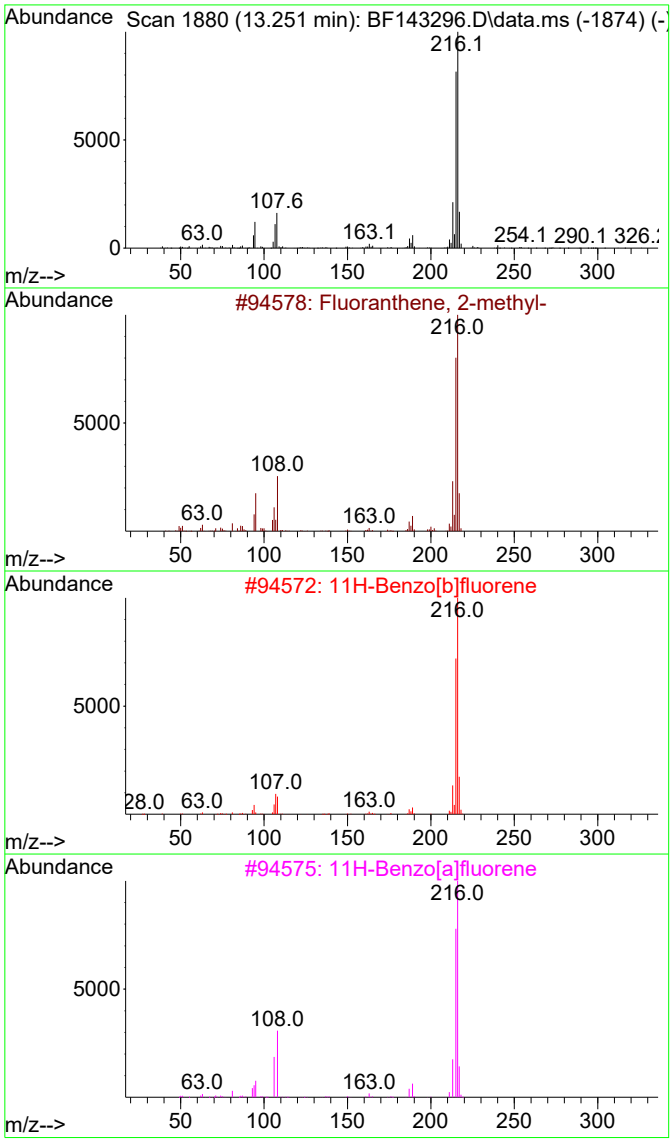
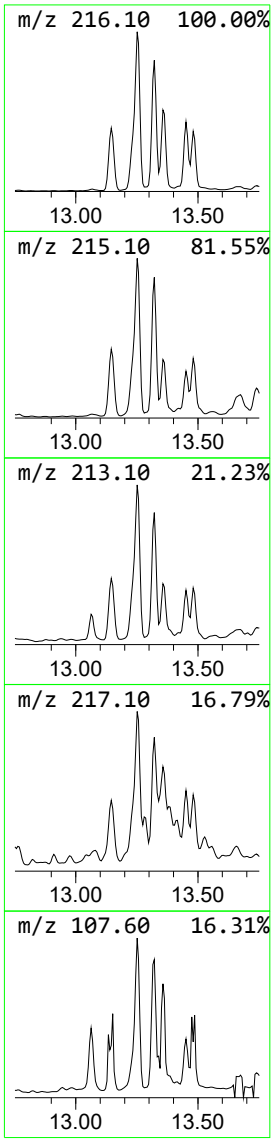
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	5.45 ng	742591	Chrysene-d12	14.127

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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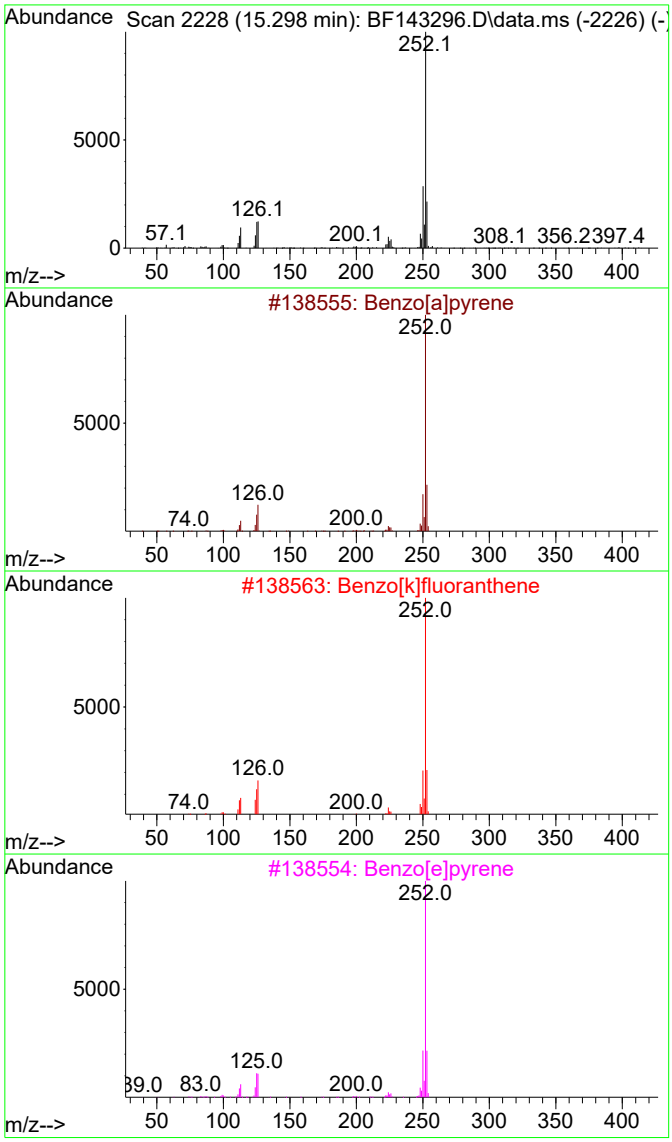
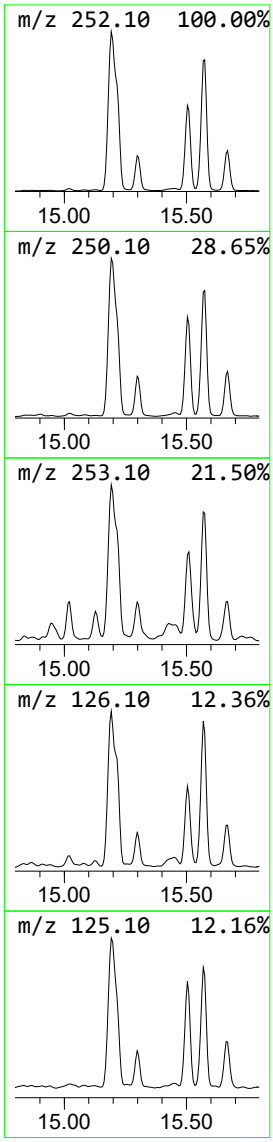
Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	9.58 ng	275862	Perylene-d12	15.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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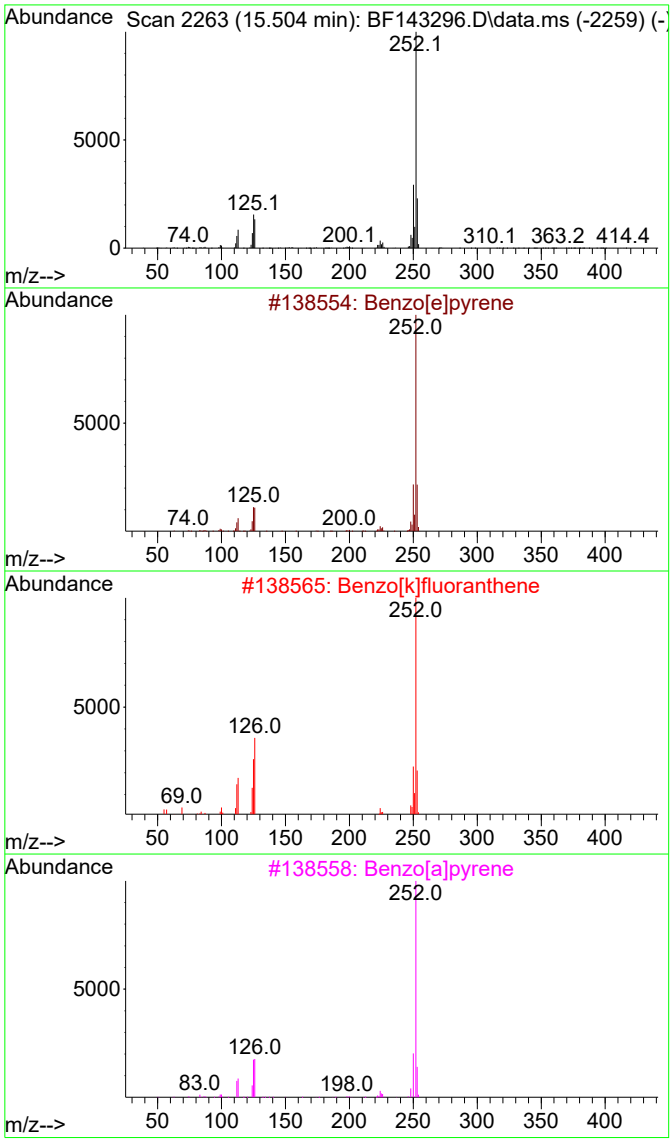
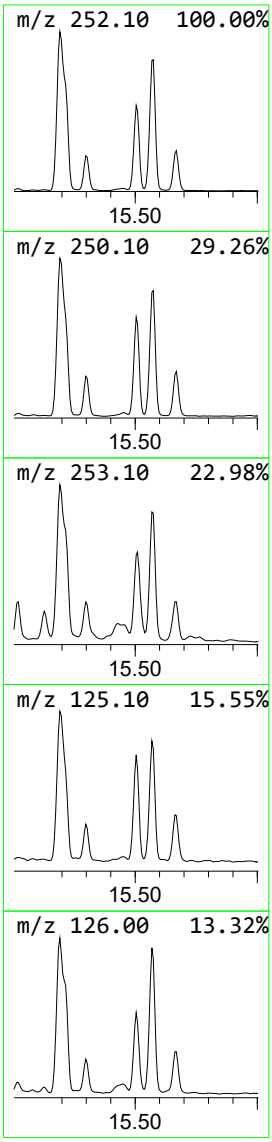
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.504	32.88 ng	946747	Perylene-d12	15.633

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	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143296.D
Acq On : 04 Aug 2025 15:09
Operator : RC/JU
Sample : Q2740-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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...	2.263	20.1	ng	685251	1	6.957	681725	20.0
2-Pentanone, 4-...	5.181	4.8	ng	163811	1	6.957	681725	20.0
Naphthalene, 2,...	9.651	4.7	ng	185814	3	9.992	794400	20.0
Benzophenone	10.698	4.5	ng	177516	3	9.992	794400	20.0
unknown10.904	10.904	6.5	ng	188571	4	11.480	580986	20.0
9H-Fluorene, 2-...	11.086	4.4	ng	128398	4	11.480	580986	20.0
Dibenzothiophene	11.375	8.0	ng	232275	4	11.480	580986	20.0
1H-Indene, 1-(p...	11.775	4.3	ng	125920	4	11.480	580986	20.0
Anthracene, 2-m...	12.010	35.7	ng	1036230	4	11.480	580986	20.0
1H-Cyclopropa[l...	12.057	6.2	ng	180953	4	11.480	580986	20.0
4H-Cyclopenta[d...	12.098	35.6	ng	1033360	4	11.480	580986	20.0
Naphthalene, 2-...	12.275	12.4	ng	360424	4	11.480	580986	20.0
Phenanthrene, 1...	12.463	5.8	ng	168649	4	11.480	580986	20.0
Phenanthrene, 2...	12.533	10.4	ng	302435	4	11.480	580986	20.0
unknown12.569	12.569	11.7	ng	338460	4	11.480	580986	20.0
Cyclopenta(def)...	12.622	4.5	ng	131242	4	11.480	580986	20.0
Benzene, 1,1'-(...	12.792	4.4	ng	127396	4	11.480	580986	20.0
Fluoranthene, 2...	13.251	5.5	ng	742591	5	14.127	2725610	20.0
Benzo[e]pyrene	15.298	9.6	ng	275862	6	15.633	575793	20.0
Perylene	15.504	32.9	ng	946747	6	15.633	575793	20.0