LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142171.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	8	25	rVB	768513	1204671	21.48%	2.136%
2	5.087	499	509	526	rBV	124747	205536	3.66%	0.364%
3	5.487	571	577	599	rBV	1763578	2368737	42.23%	4.200%
4	6.492	742	748	766	rVB	1718636	2380166	42.43%	4.220%
5	6.869	807	812	820	rBV	589718	728109	12.98%	1.291%
6	7.434	901	908	918	rBV	1141585	1571046	28.01%	2.785%
7	8.151	1025	1030	1040	rBV	719220	1014132	18.08%	1.798%
8	8.863	1147	1151	1156	rBV	72265	91881	1.64%	0.163%
9	8.963	1164	1168	1173	rVB	65982	82411	1.47%	0.146%
10	9.228	1207	1213	1222	rBV	2380095	3030931	54.03%	5.374%
11	9.486	1252	1257	1262	rBV	69313	109346	1.95%	0.194%
12	9.563	1265	1270	1273	rVV2	117965	178775	3.19%	0.317%
13	9.586	1273	1274	1278	rVB	64248	63850	1.14%	0.113%
14	9.681	1284	1290	1300	rVB2	65708	150490	2.68%	0.267%
15	9.769	1300	1305	1312	rVB	91266	121299	2.16%	0.215%
16	9.904	1319	1328	1331	rBV	783054	1027388	18.32%	1.821%
17	9.939	1331	1334	1338	rVV	392091	472757	8.43%	0.838%
18	10.063	1350	1355	1358	rBV2	53964	74599	1.33%	0.132%
19	10.110	1358	1363	1367	rBV2	224626	287109	5.12%	0.509%
20	10.145	1367	1369	1377	rVB	61529	77684	1.38%	0.138%
21	10.222	1377	1382	1385	rBV2	72152	105891	1.89%	0.188%
22	10.310	1392	1397	1404	rBV3	47326	109531	1.95%	0.194%
23	10.451	1416	1421	1427	rBV	492457	640163	11.41%	1.135%
24	10.522	1427	1433	1434	rBV2	71332	126401	2.25%	0.224%
25	10.616	1444	1449	1455	rVB2	262210	381465	6.80%	0.676%
26	10.692	1457	1462	1467	rBV	1251822	1649873	29.41%	2.925%
27	10.816	1477	1483	1489	rVB5	87549	151008	2.69%	0.268%
28	10.892	1489	1496	1499	rBV4	40693	72257	1.29%	0.128%
29	11.004	1508	1515	1517	rBV3	115294	200156	3.57%	0.355%
30	11.027	1517	1519	1523	rVB2	54233	61862	1.10%	0.110%
31	11.086	1526	1529	1532	rVB	51135	57996	1.03%	0.103%
32	11.127	1532	1536	1538	rBV2	53129	84071	1.50%	0.149%
33	11.198	1545	1548	1552	rVB3	48230	60983	1.09%	0.108%
34	11.245	1552	1556	1560	rVV2	89506	151978	2.71%	0.269%
35	11.292	1560	1564	1569	rVB	161169	221568	3.95%	0.393%
36	11.422	1582	1586	1590	rVB	2120404	2777837	49.52%	4.925%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.469	1590	1594	1598	rVV	1003961	1268333	22.61%	2.249%
38	11.504	1598	1600	1605	rVB	142031	150216	2.68%	0.266%
39	11.551	1606	1608	1614	rVB3	34493	60504	1.08%	0.107%
40	11.622	1615	1620	1628	rBV	241307	403850	7.20%	0.716%
41	11.686	1628	1631	1635	rVV	82262	107652	1.92%	0.191%
42	11.727	1635	1638	1642	rVB2	47583	58980	1.05%	0.105%
43	11.898	1662	1667	1668	rBV	231160	309408	5.52%	0.549%
44	11.922	1668	1671	1676	rVV	382177	512702	9.14%	0.909%
45	11.969	1676	1679	1682	rVV	135080	169312	3.02%	0.300%
46	12.010	1682	1686	1694	rVB2	771103	1263469	22.52%	2.240%
47	12.192	1713	1717	1719	rBV	181839	222981	3.98%	0.395%
48	12.339	1737	1742	1745	rBV2	90067	140177	2.50%	0.249%
49	12.369	1745	1747	1750	rVV	50102	56967	1.02%	0.101%
50	12.445	1756	1760	1763	rBV	191987	269192	4.80%	0.477%
51	12.480	1763	1766	1771	rVV	134319	210340	3.75%	0.373%
52	12.533	1771	1775	1780	rVB	358882	473431	8.44%	0.839%
53	12.616	1783	1789	1793	rBV	4112657	5609346	100.00%	9.945%
54	12.704	1801	1804	1807	rVB2	105987	114145	2.03%	0.202%
55	12.757	1810	1813	1818	rVB2	125689	173268	3.09%	0.307%
56	12.845	1820	1828	1833	rBV2	2763526	4678986	83.41%	8.295%
57	12.886	1833	1835	1840	rVB2	128366	161232	2.87%	0.286%
58	12.980	1843	1851	1858	rVB2	2000837	2990293	53.31%	5.301%
59	13.057	1858	1864	1871	rBV2	300699	588601	10.49%	1.044%
60	13.163	1874	1882	1886	rVB	556396	1005655	17.93%	1.783%
61	13.233	1890	1894	1897	rBV	476139	595618	10.62%	1.056%
62	13.269	1897	1900	1903	rBV2	256764	307345	5.48%	0.545%
63	13.363	1912	1916	1918	rBV	184966	219766	3.92%	0.390%
64	13.392	1918	1921	1932	rVB4	194510	291040	5.19%	0.516%
65	13.568	1944	1951	1952	rBV6	91626	173412	3.09%	0.307%
66	13.674	1961	1969	1974	rBV2	183209	370788	6.61%	0.657%
67	13.786	1983	1988	1990	rBV3	231787	358569	6.39%	0.636%
68	13.816	1990	1993	1995	rVV	229815	332830	5.93%	0.590%
69	13.839	1995	1997	2000	rVV3	222039	318149	5.67%	0.564%
70	13.874	2001	2003	2008	rVB2	215137	300282	5.35%	0.532%
71	14.033	2022	2030	2033	rBV2	1516336	2837328	50.58%	5.030%
72	14.063	2033	2035	2042	rVB	1104927	1373795	24.49%	2.436%
73	14.139	2045	2048	2054	rVV	140641	201511	3.59%	0.357%
74	14.251	2064	2067	2072	rVB2	71211	102426	1.83%	0.182%
75	14.386	2087	2090	2091	rBV	53352	56983	1.02%	0.101%
76	14.421	2092	2096	2099	rVV	185610	265582	4.73%	0.471%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.457	2099	2102	2106	rVB3	110598	131784	2.35%	0.234%
78	14.510	2106	2111	2114	rBV4	119277	232815	4.15%	0.413%
79	14.727	2145	2148	2158	rVB2	80974	162016	2.89%	0.287%
80	14.886	2172	2175	2177	rBV2	63230	84693	1.51%	0.150%
81	15.080	2202	2208	2217	rBV	835917	1901484	33.90%	3.371%
82	15.186	2223	2226	2231	rVB	108705	138894	2.48%	0.246%
83	15.386	2255	2260	2266	rVB	392032	606200	10.81%	1.075%
84	15.451	2266	2271	2276	rBV	442339	652677	11.64%	1.157%
85	15.510	2276	2281	2285	rBV	340130	580630	10.35%	1.029%
86	16.998	2528	2534	2541	rBV2	177951	382535	6.82%	0.678%
87	17.445	2605	2610	2623	rVB	141656	332758	5.93%	0.590%

Sum of corrected areas: 56404907

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
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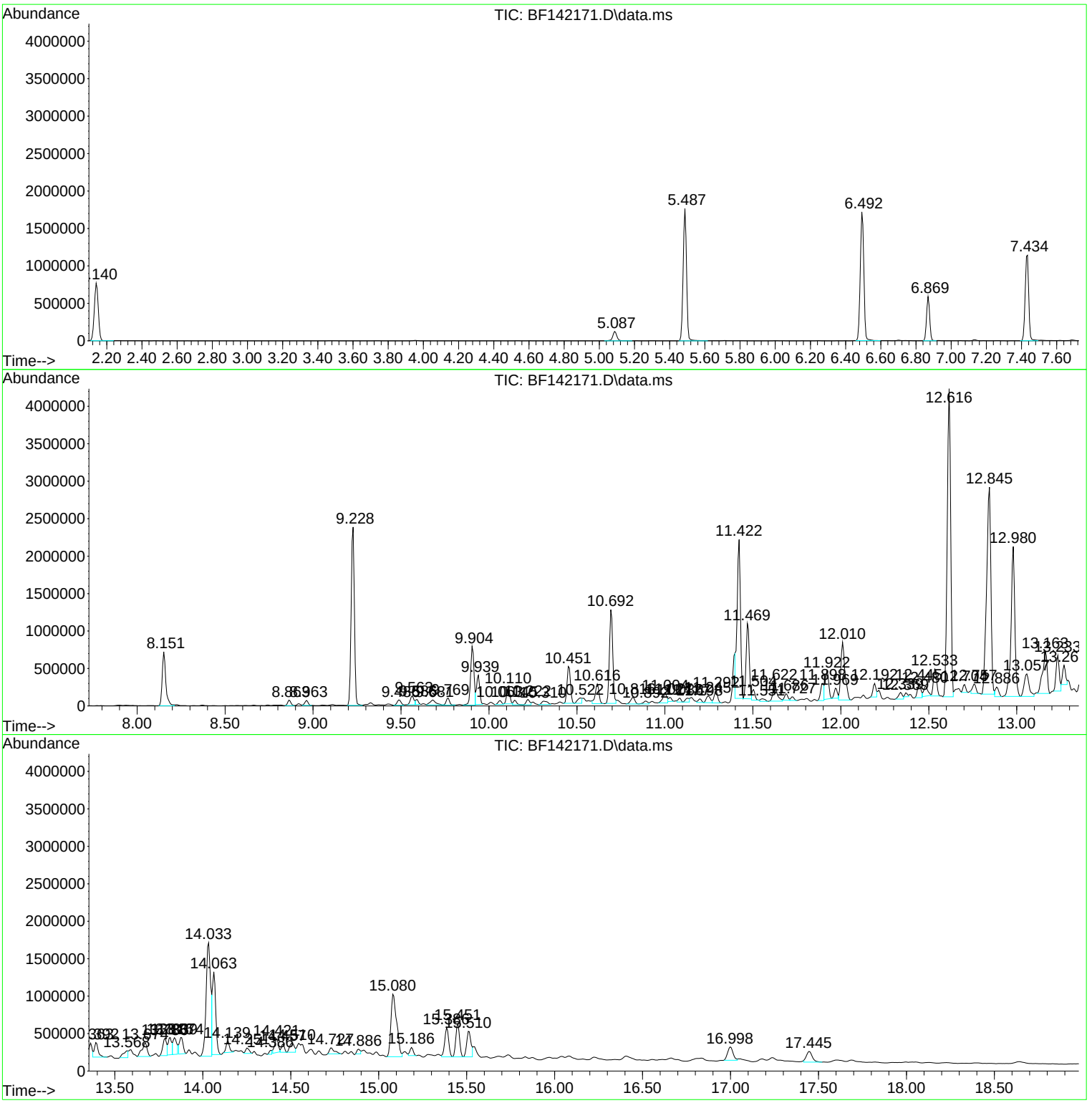
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

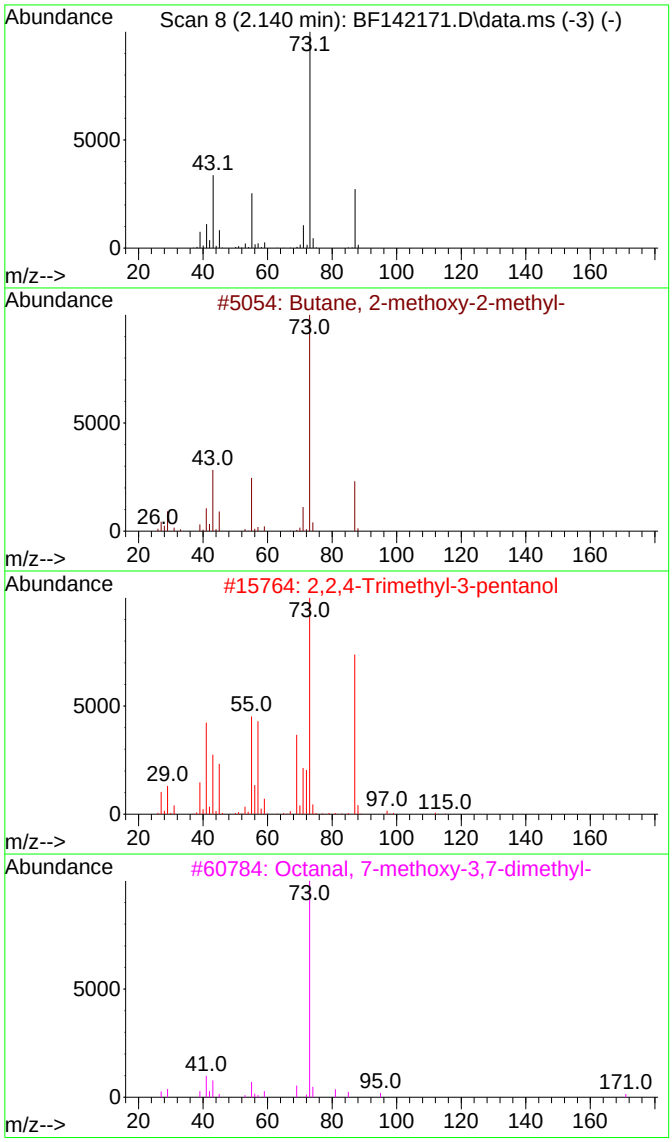
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

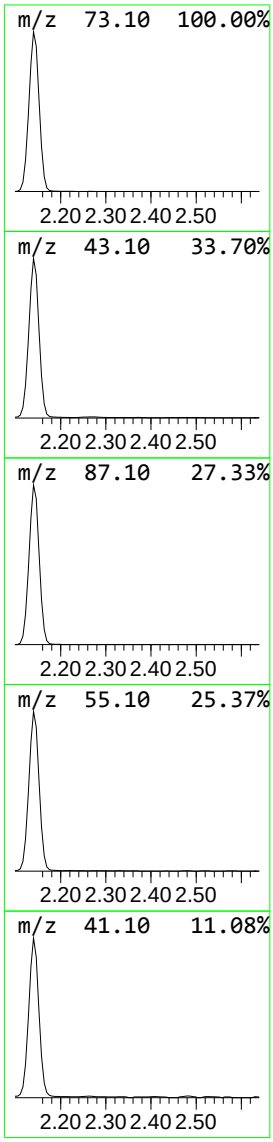
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	33.09 ng	1204670	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

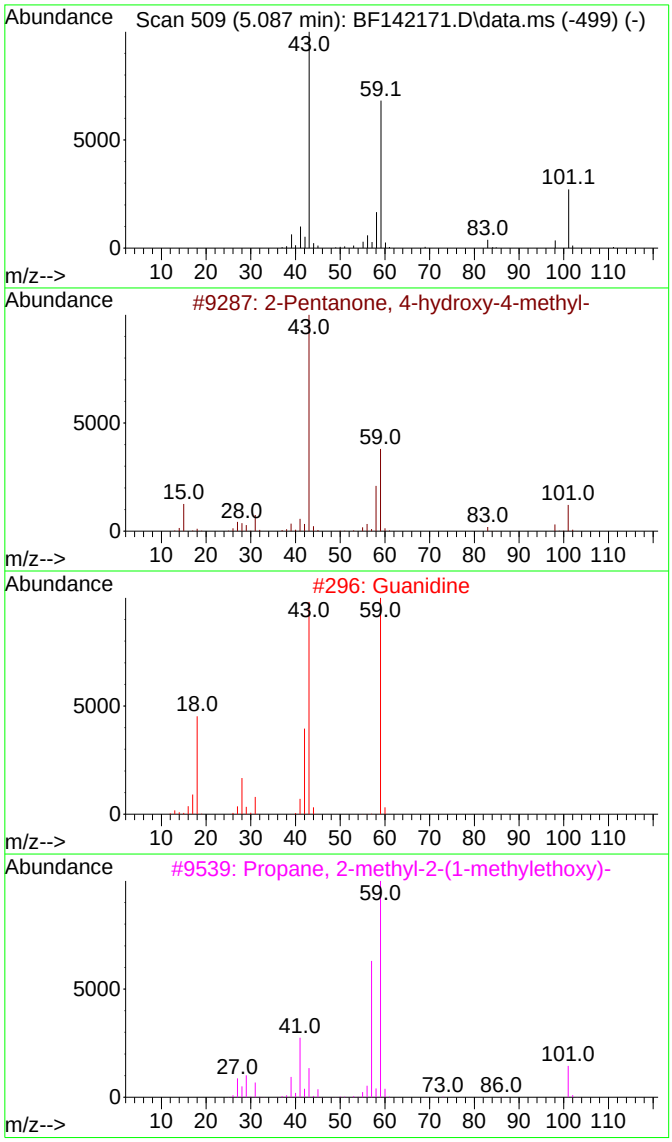
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

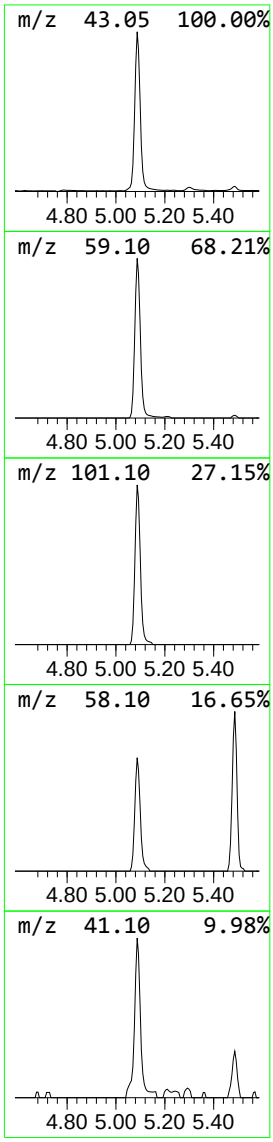
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.65 ng	205536	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Guanidine	59	CH5N3	000113-00-8	43
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	40
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

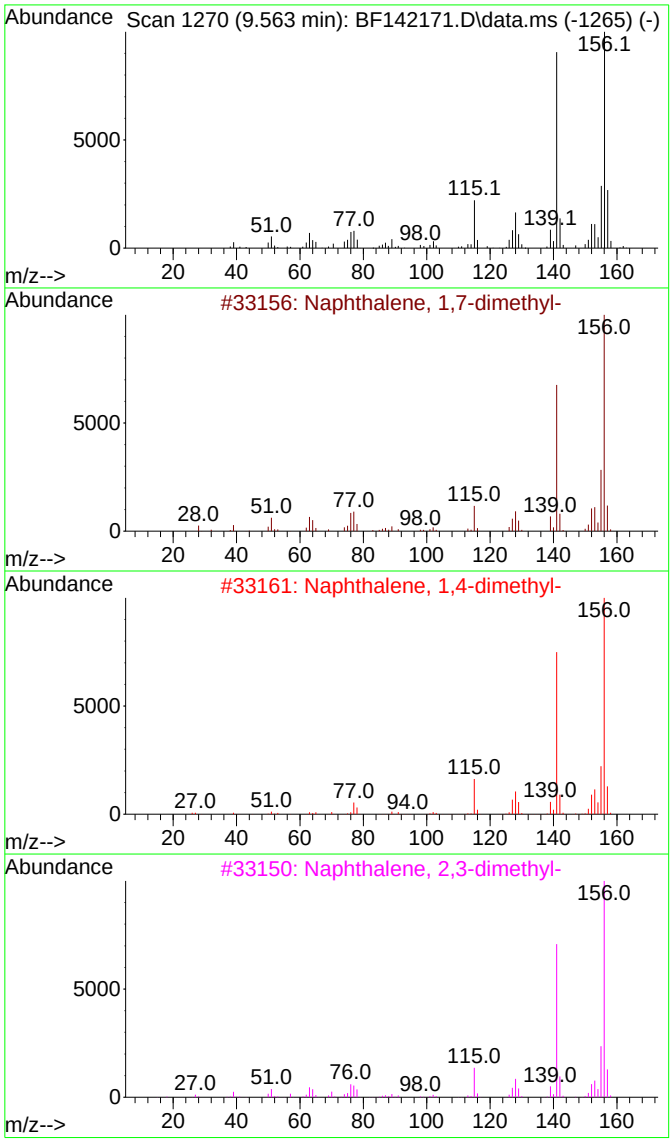
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

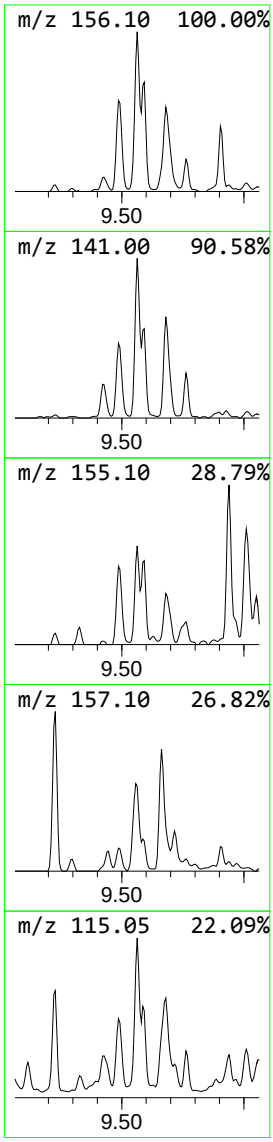
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.563	3.48 ng	178775	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

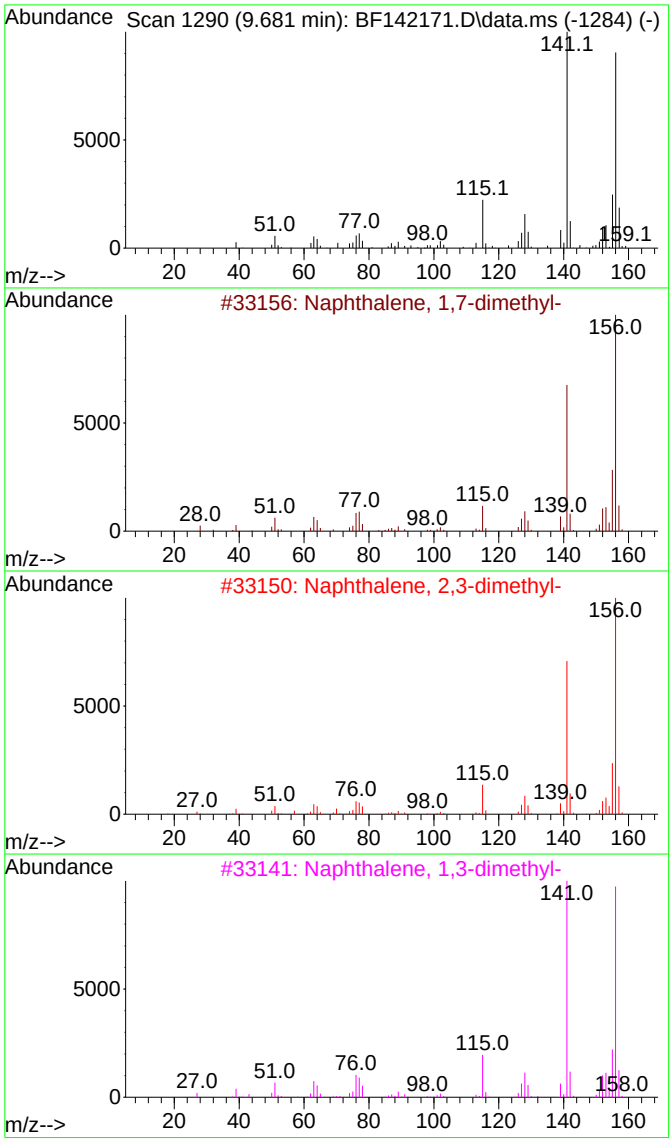
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

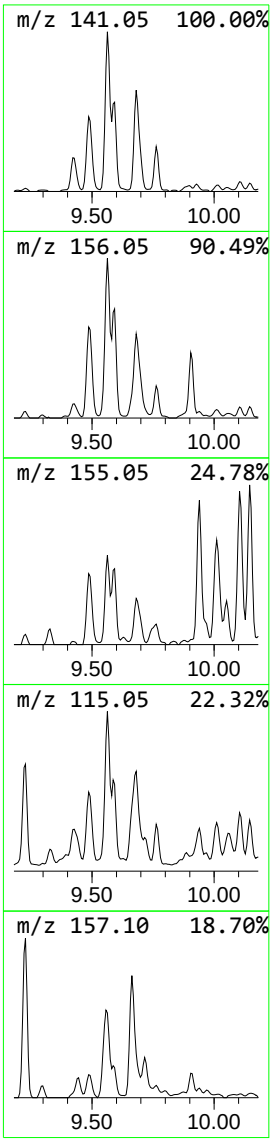
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.681	2.93 ng	150490	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

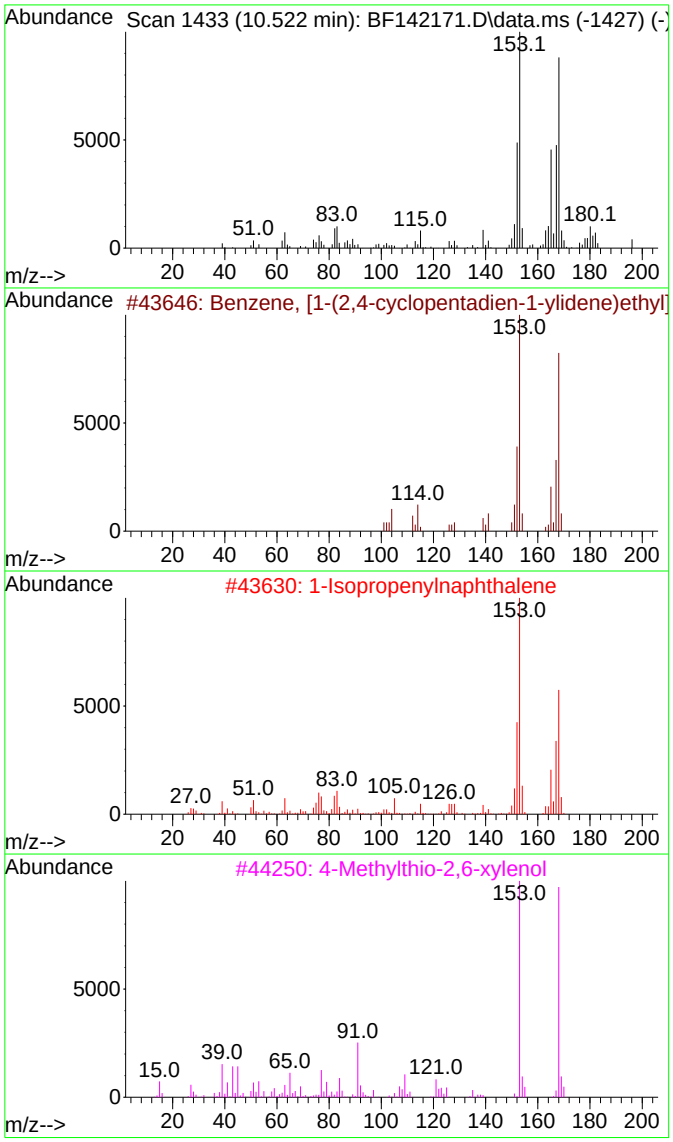
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

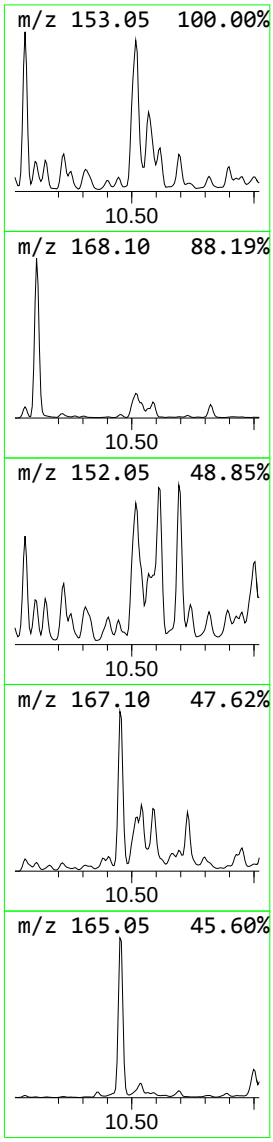
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, [1-(2,4-cyclopenta... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.522	2.46 ng	126401	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	70
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
3	4-Methylthio-2,6-xylenol	168	C9H12OS	007379-49-9	43
4	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	43
5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

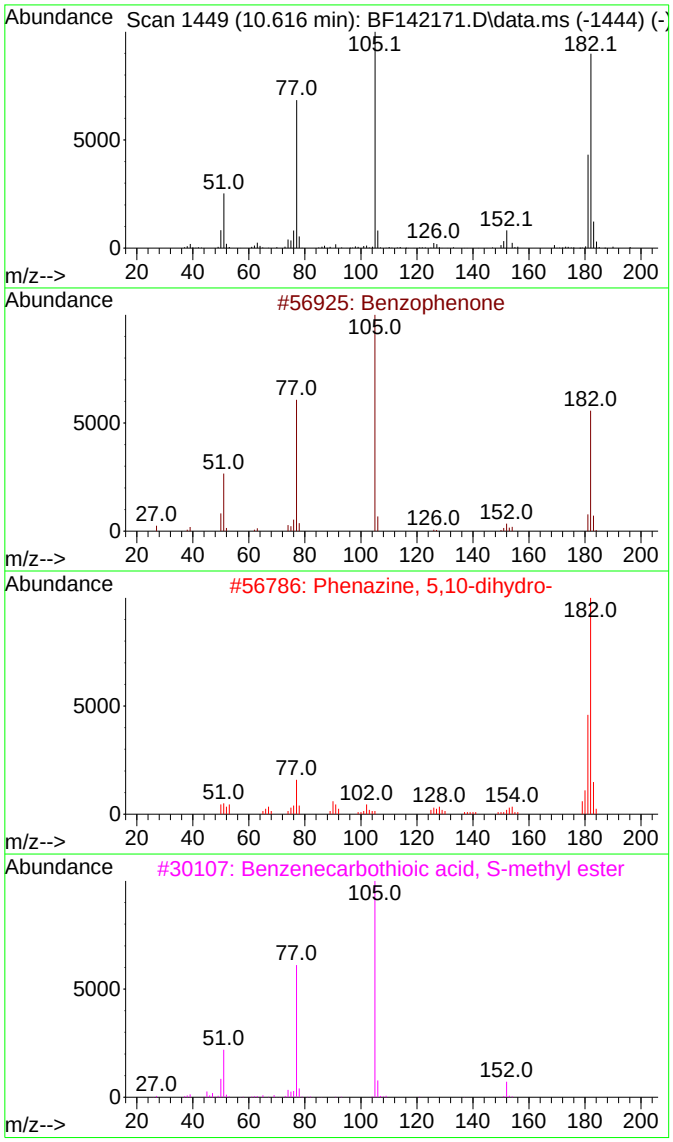
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

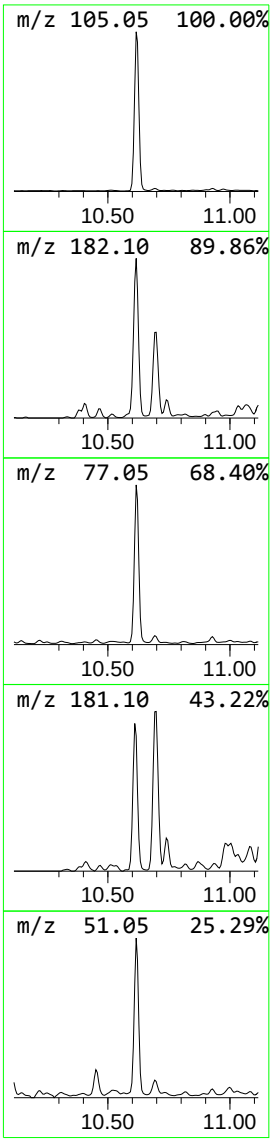
****

Peak Number 6 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	7.43 ng	381465	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	50
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	38
4	Vinyl benzoate	148	C9H8O2	000769-78-8	27
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	27





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Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

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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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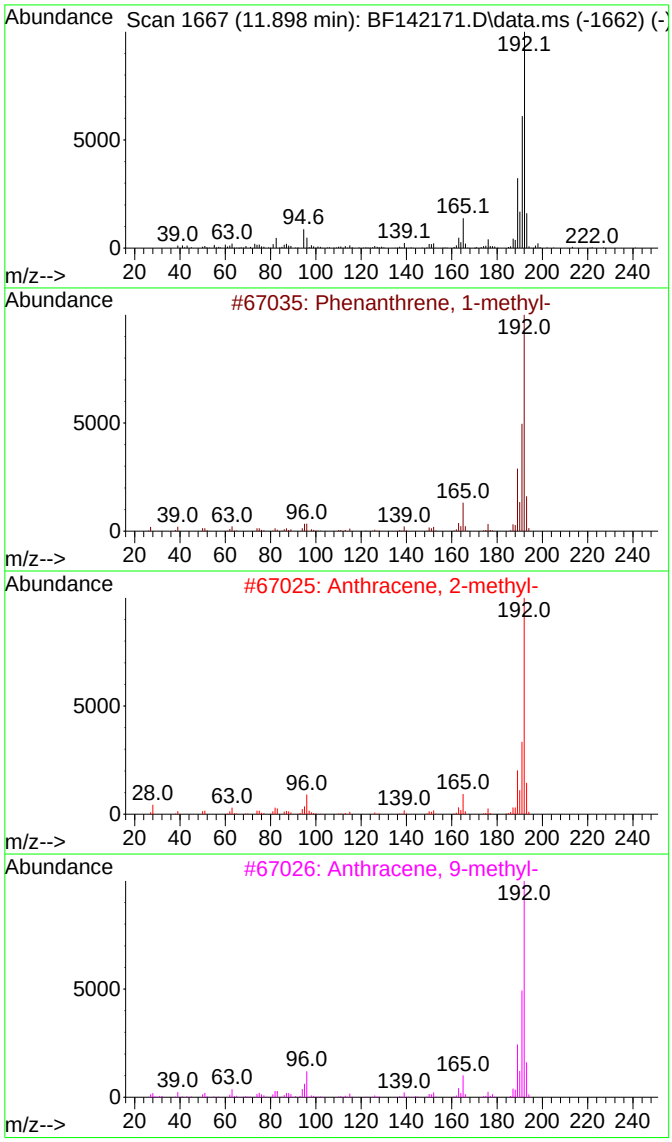
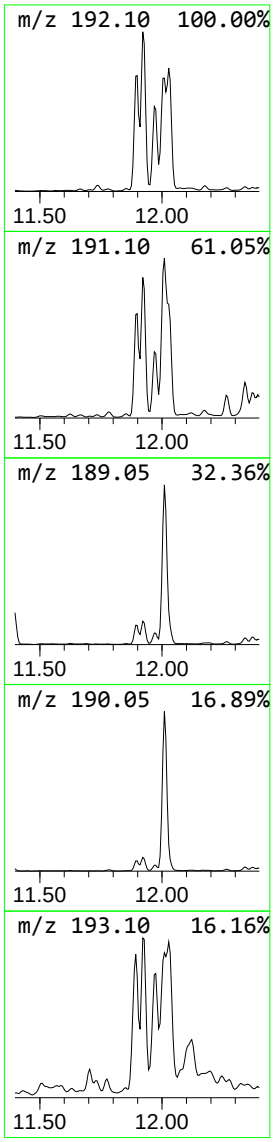
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	2.23 ng	309408	Phenanthrene-d10	11.392

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





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

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

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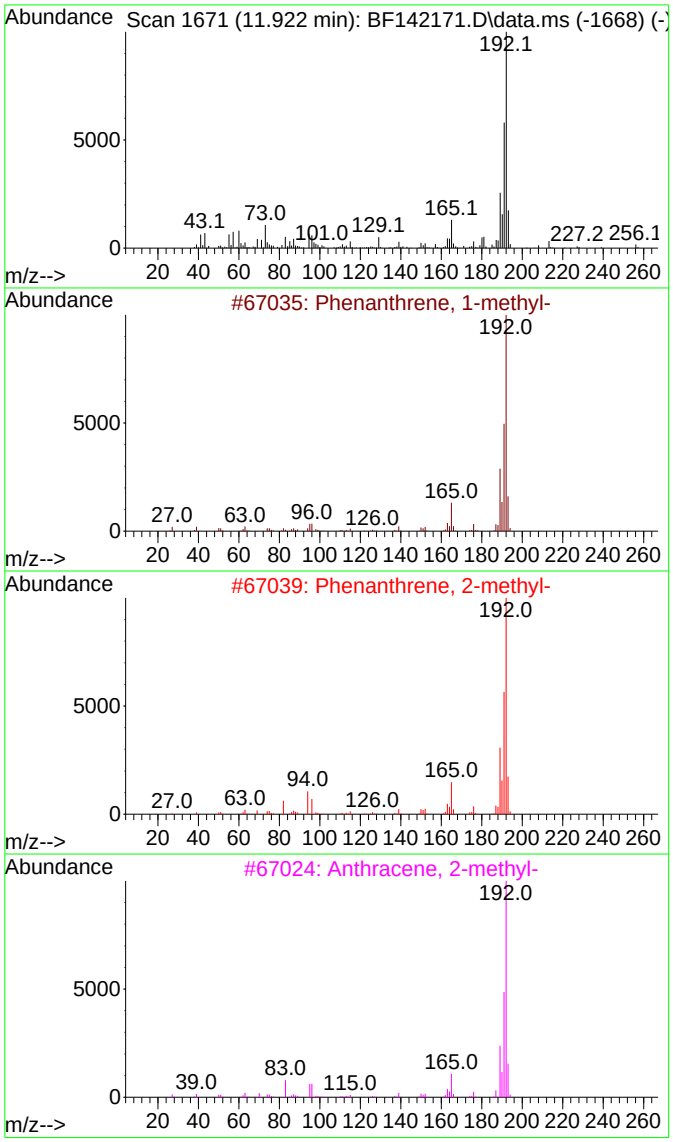
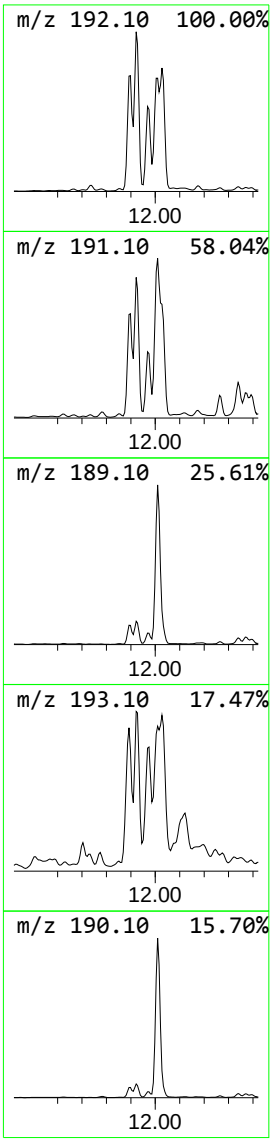
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	3.69 ng	512702	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	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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ALS Vial : 22 Sample Multiplier: 1

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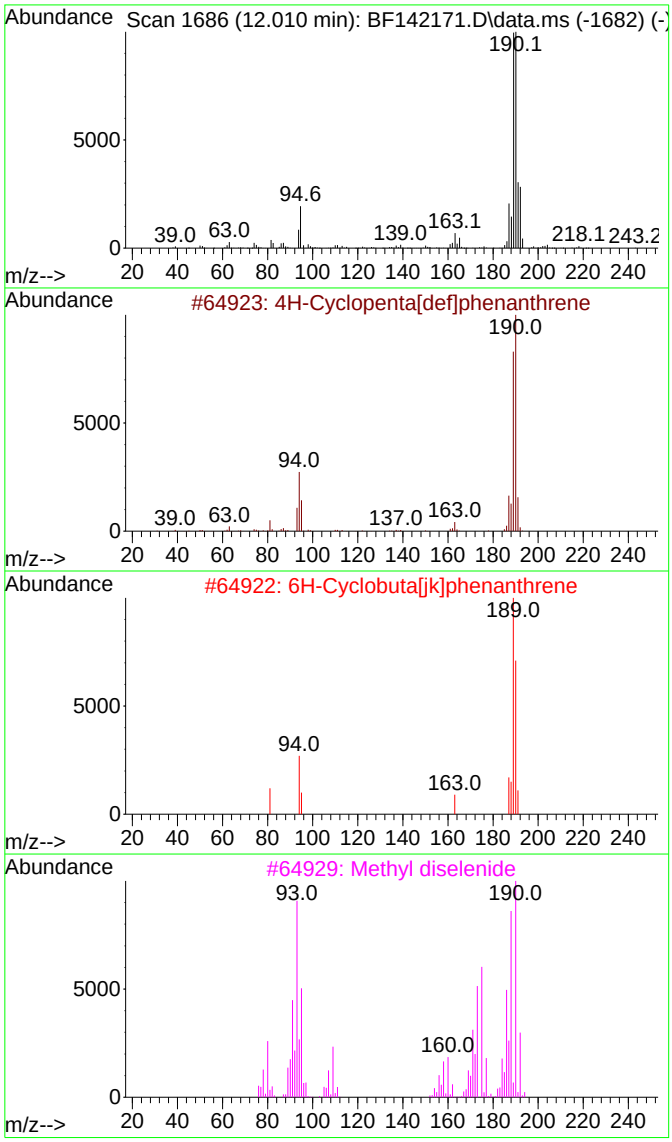
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

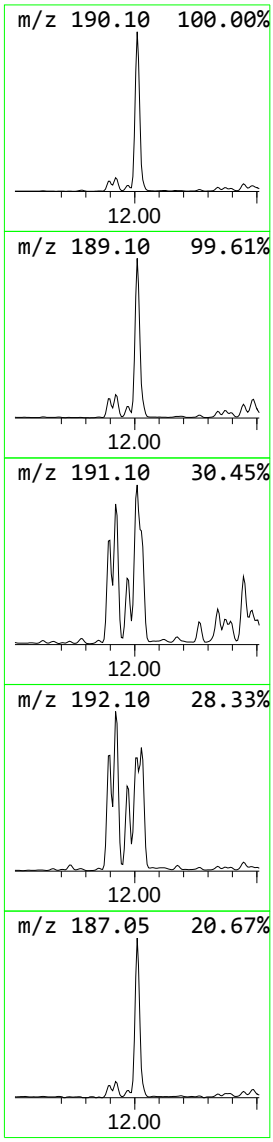
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	9.10 ng	1263470	Phenanthrene-d10	11.392

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	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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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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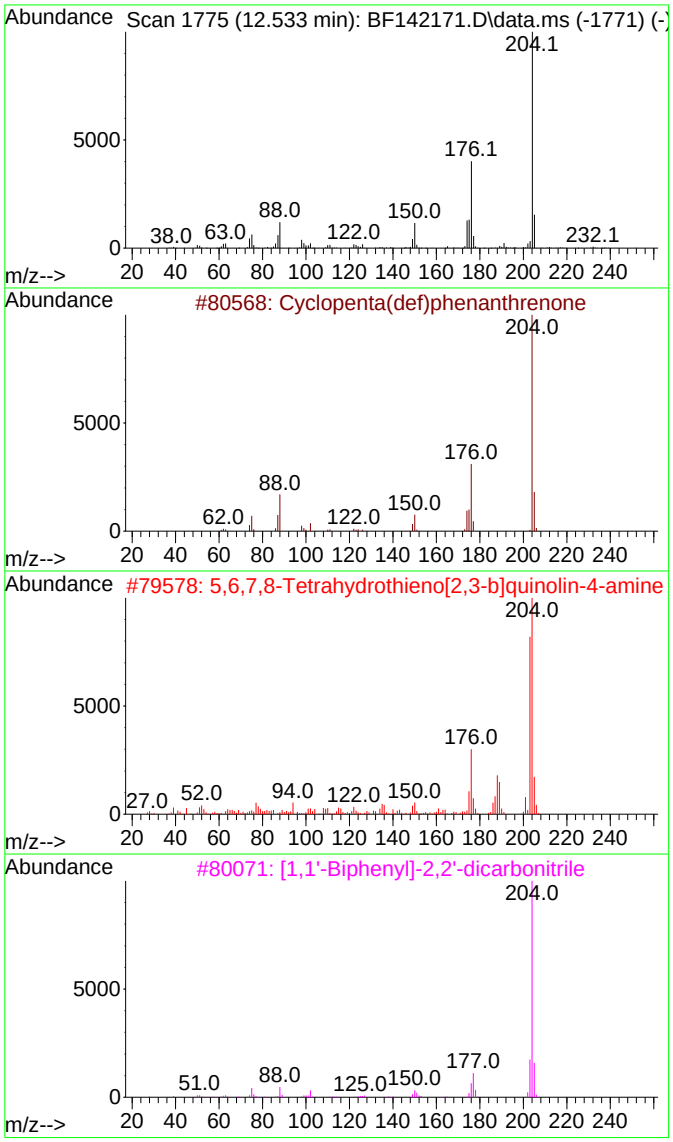
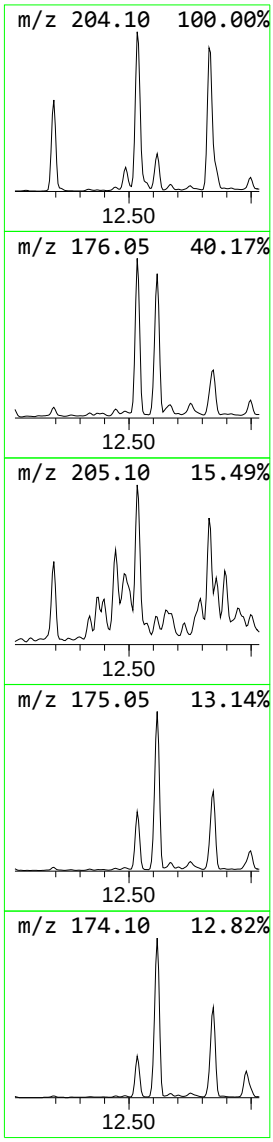
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	3.41 ng	473431	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
5	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	46





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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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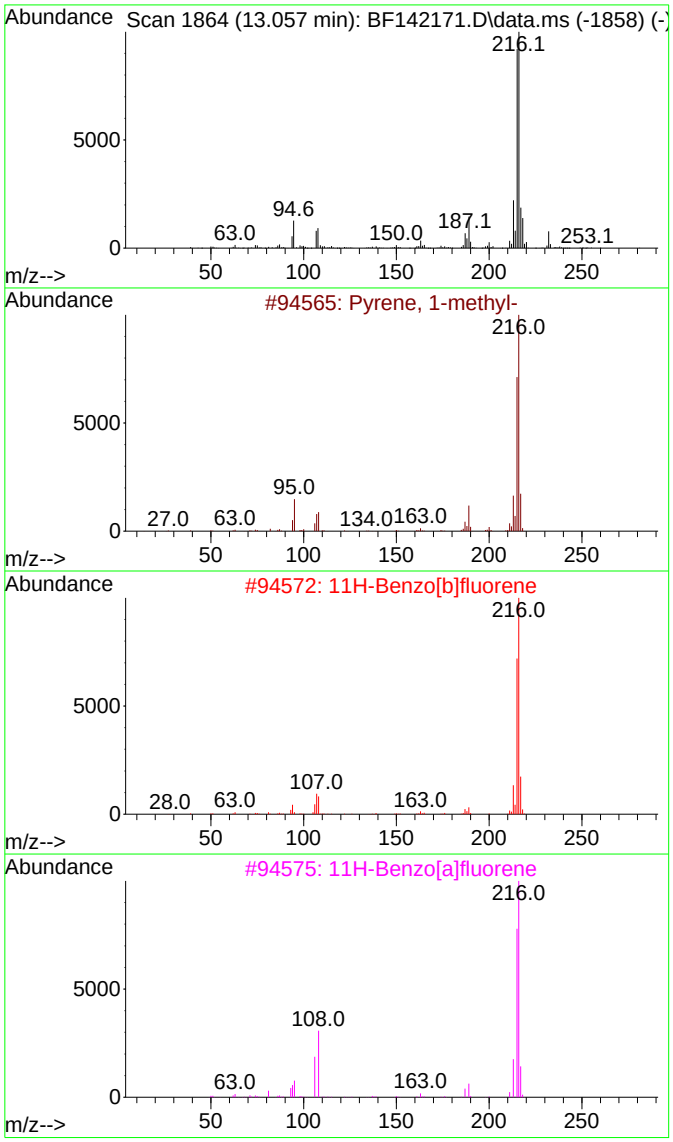
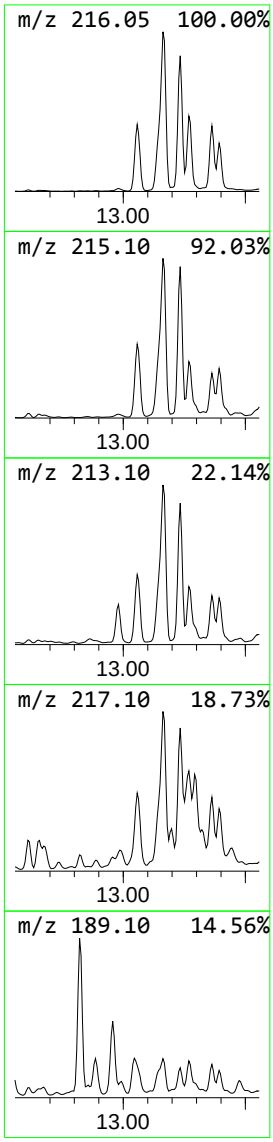
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.057	4.15 ng	588601	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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

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

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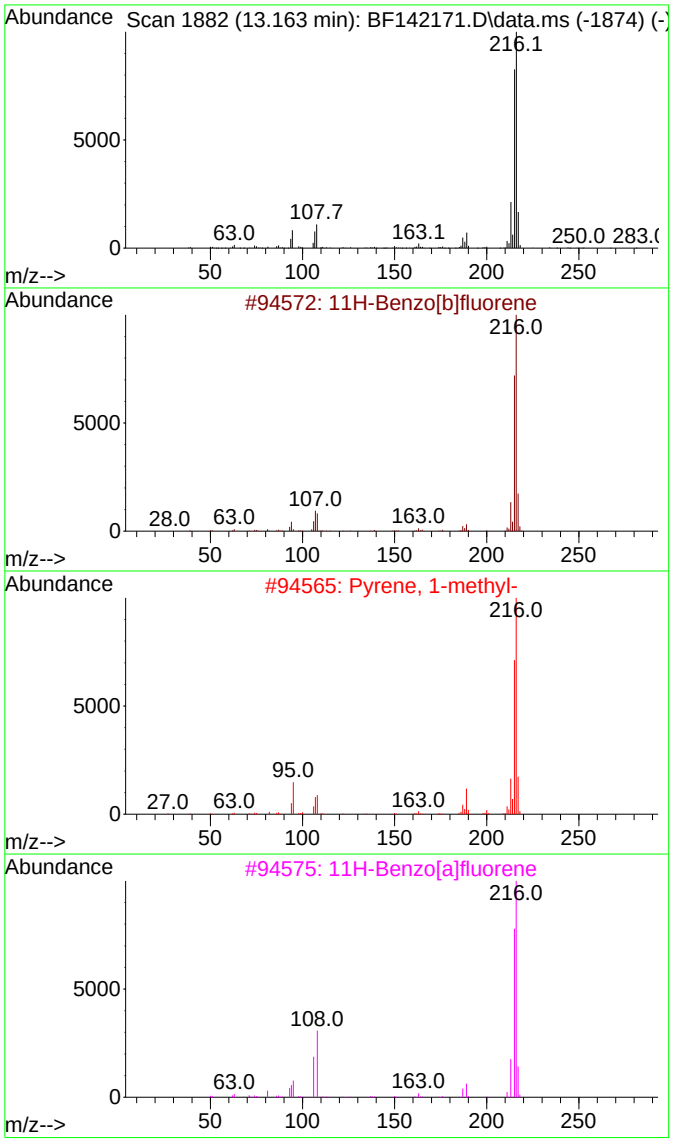
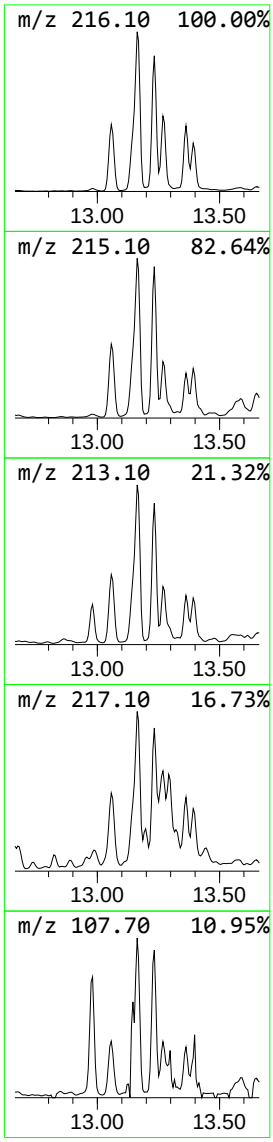
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.163	7.09 ng	1005660	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
STOCK-PILE-BIN2

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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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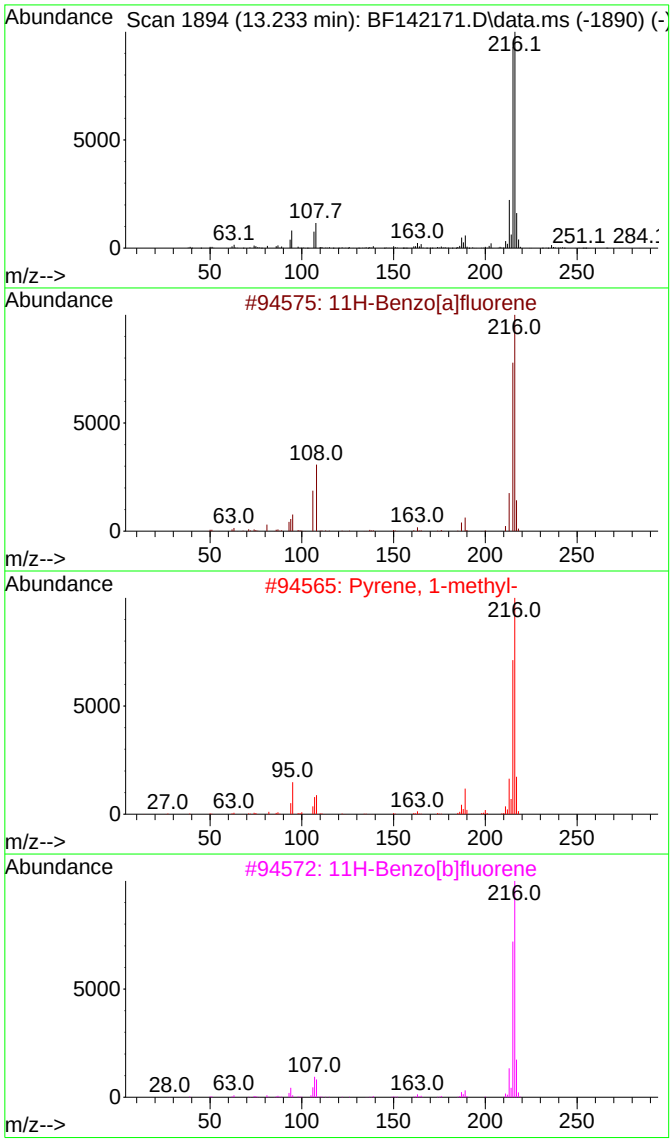
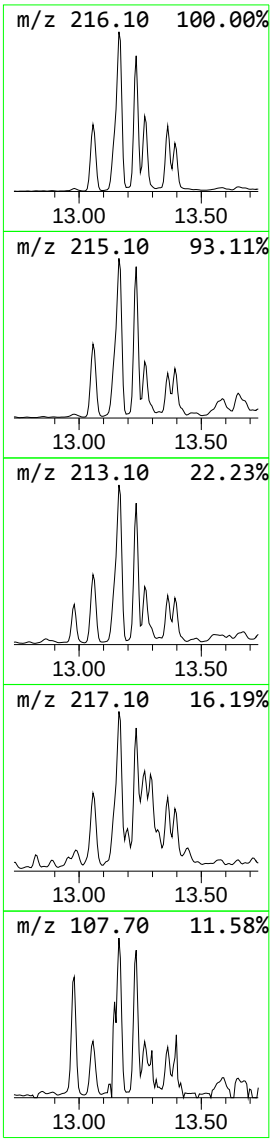
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.233	4.20 ng	595618	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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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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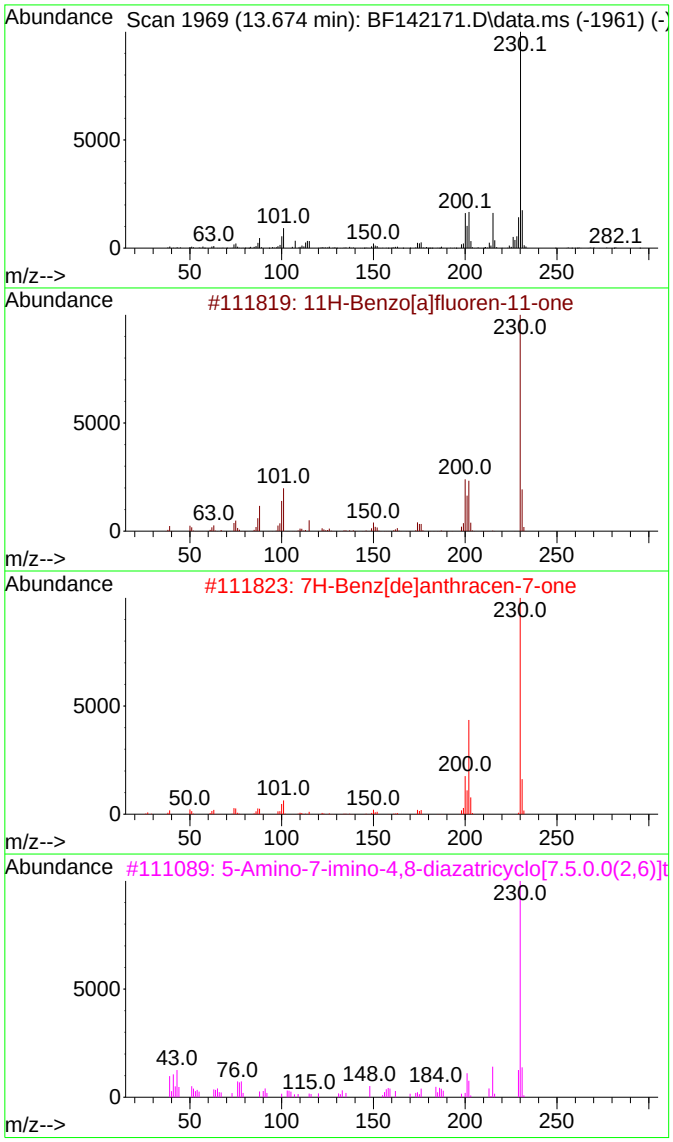
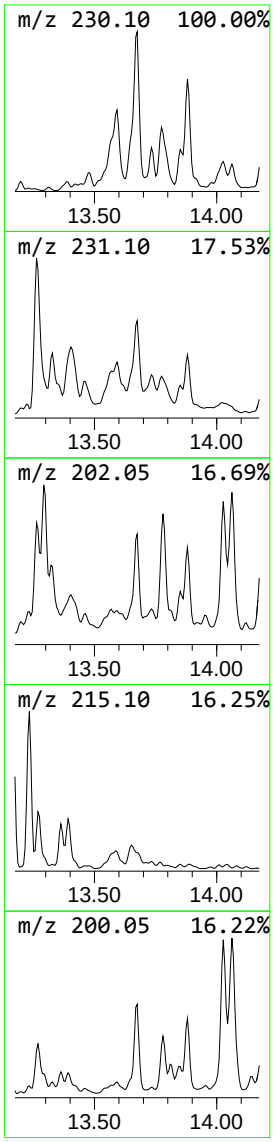
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.674	2.61 ng	370788	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	5-Amino-7-imino-4,8-diazatricycl...	230	C12H14N4O	1000388-35-6	64
4	4,4'-Stilbenedicarbonitrile	230	C16H10N2	006292-62-2	64
5	benzonitrile, 2-(3-isoquinolinyl)-	230	C16H10N2	1000401-00-3	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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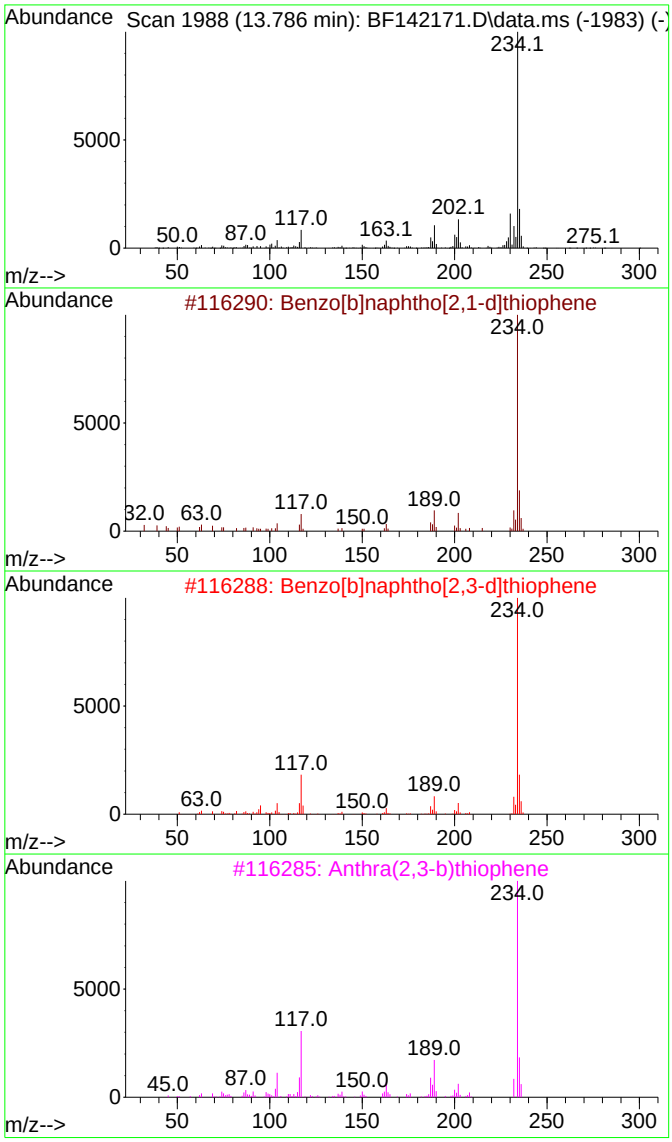
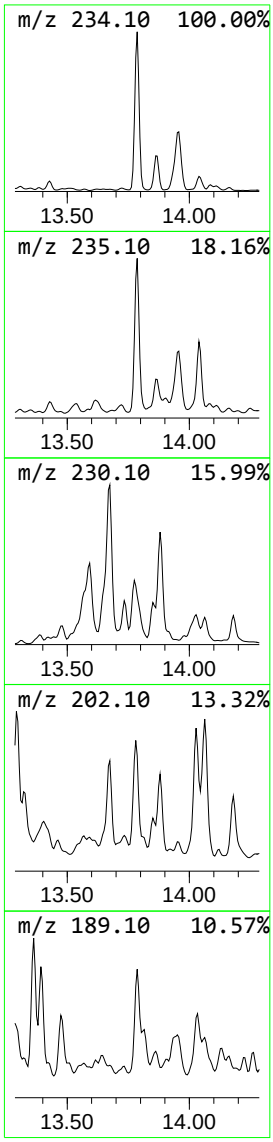
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	2.53 ng	358569	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	81
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	76
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	58





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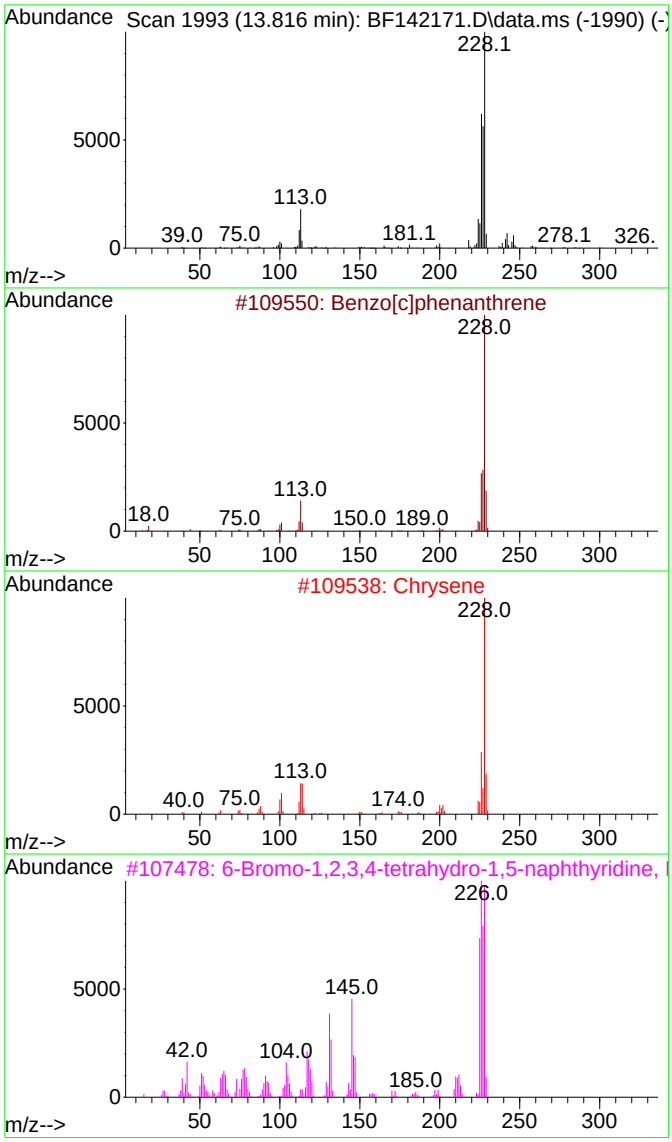
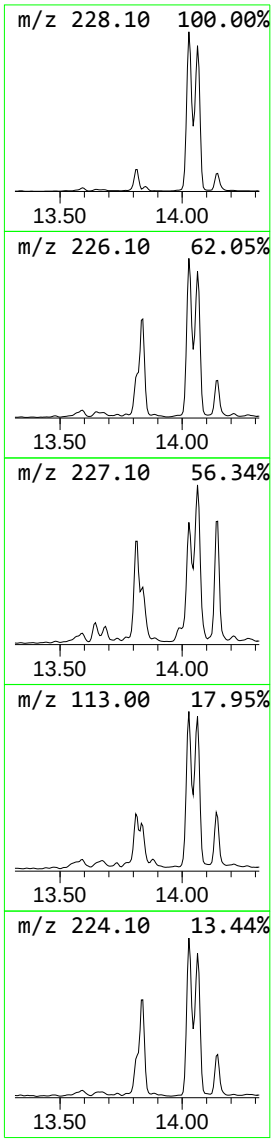
Peak Number 16 unknown13.816 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.816	2.35 ng	332830	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
2	Chrysene	228	C18H12	000218-01-9	38
3	6-Bromo-1,2,3,4-tetrahydro-1,5-n...	226	C9H11BrN2	1000503-69-9	38
4	2,1,3-Benzoselenadiazole-5-carbo...	228	C7H4N2O2Se	140669-75-6	37
5	1,2,3-Triazole, 4-triethylgermyl...	257	C9H17GeN3O	184588-50-9	36





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TIC Library : C:\Database\NIST20.L
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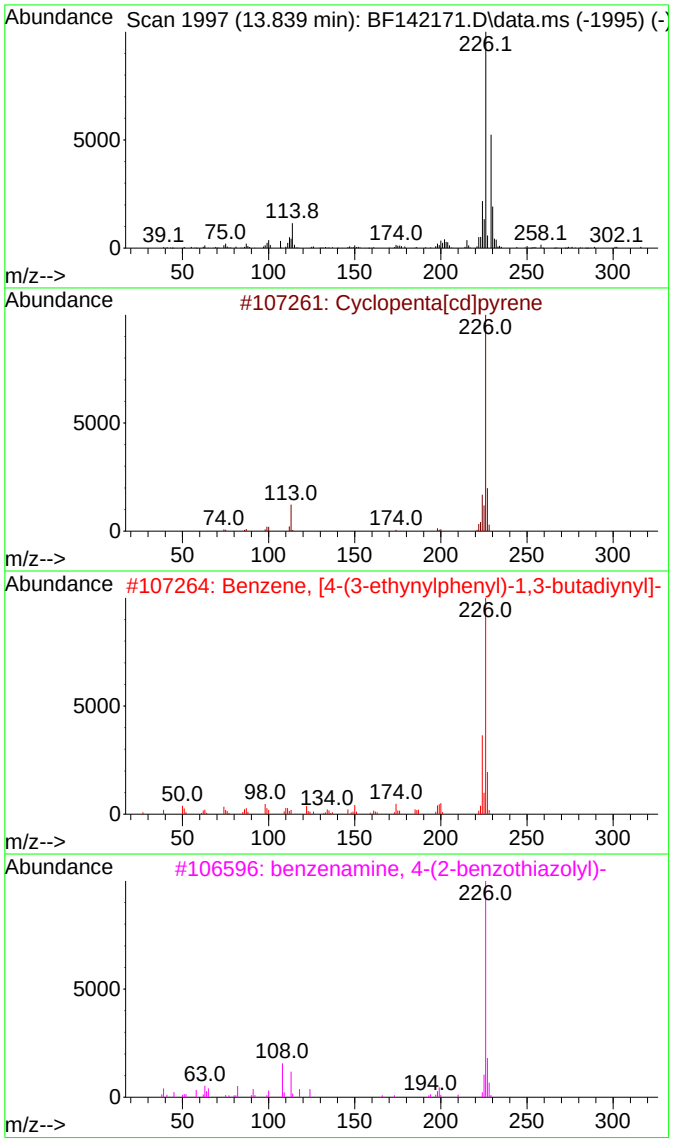
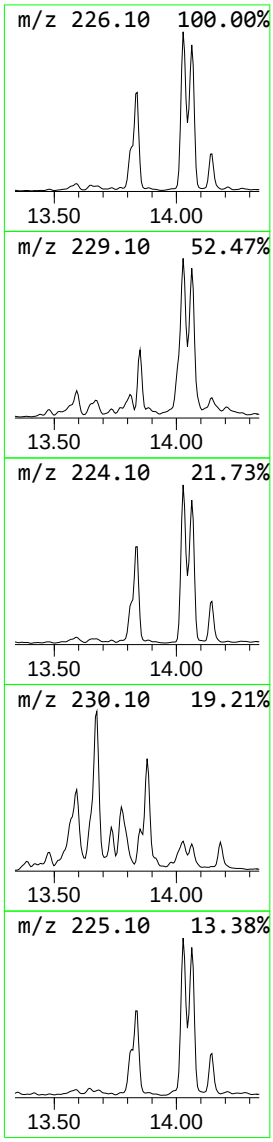
Peak Number 17 unknown13.839 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	2.24 ng	318149	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35
3	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	17
4	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	14
5	(Z,Z)-3-Methyl-3H-cyclonona(def)...	230	C18H14	110823-80-8	10





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Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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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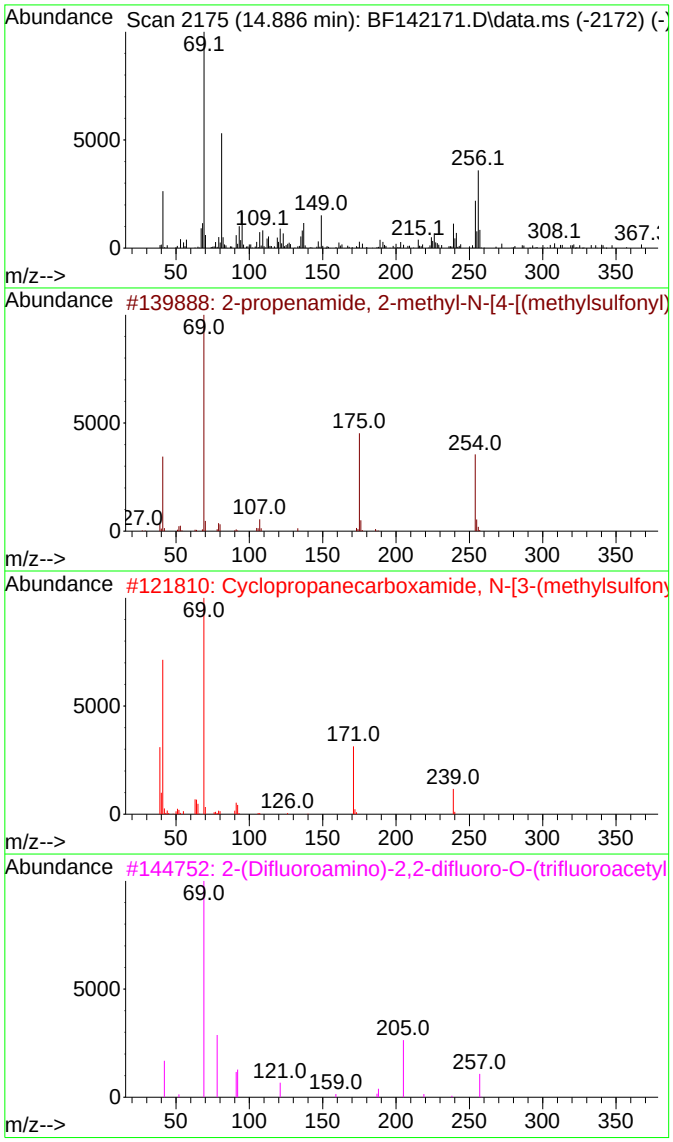
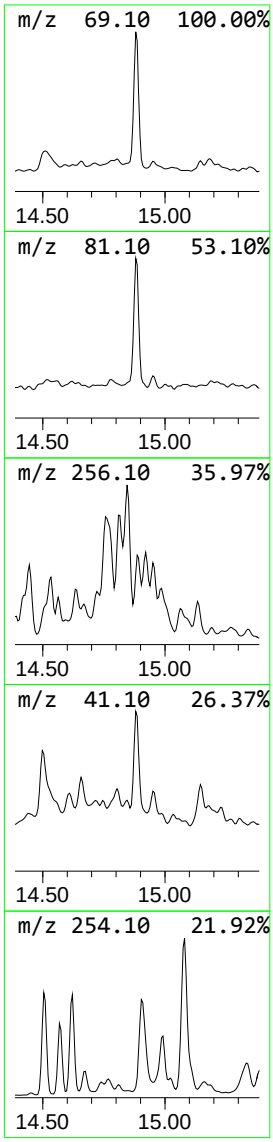
Peak Number 18 unknown14.886 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.886	2.92 ng	84693	Perylene-d12	15.509

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-propenamide, 2-methyl-N-[4-[(m...	254	C11H14N2O3S	1000401-43-5	37
2	Cyclopropanecarboxamide, N-[3-(m...	239	C11H13NO3S	1010319-87-8	32
3	2-(Difluoroamino)-2,2-difluoro-O...	257	C4H2F7N3O2	115983-88-5	23
4	4-Nitrobenzene-1,3-diol, bis(tri...	347	C10H3F6NO6	1000507-81-9	9
5	2-Propenoic acid, 2-methyl-, 2-p...	124	C7H8O2	013861-22-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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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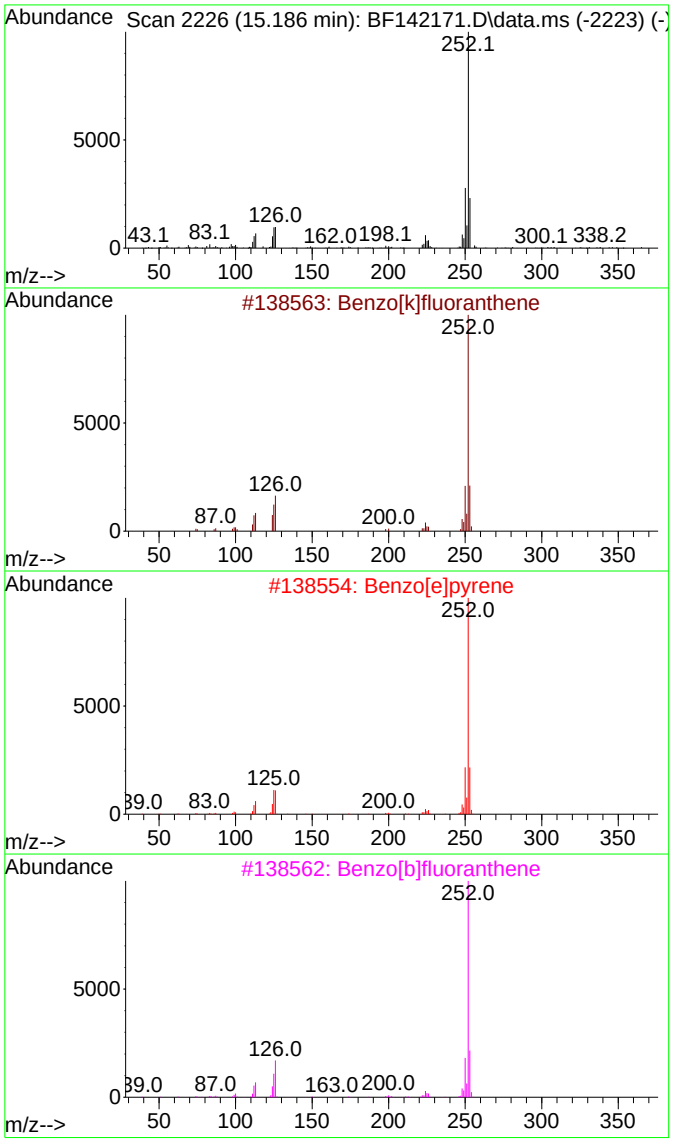
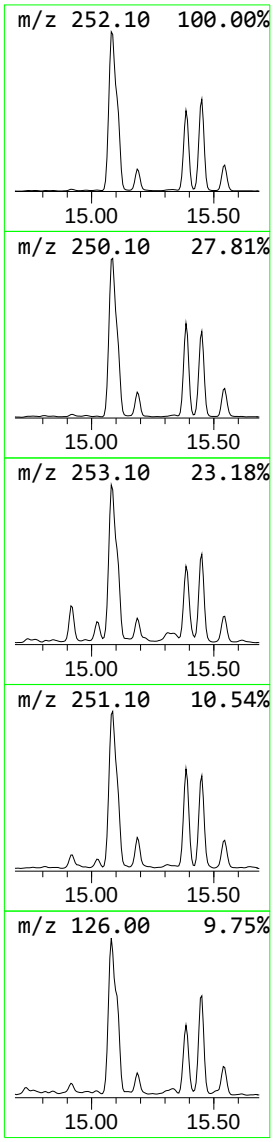
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.186	4.78 ng	138894	Perylene-d12	15.509

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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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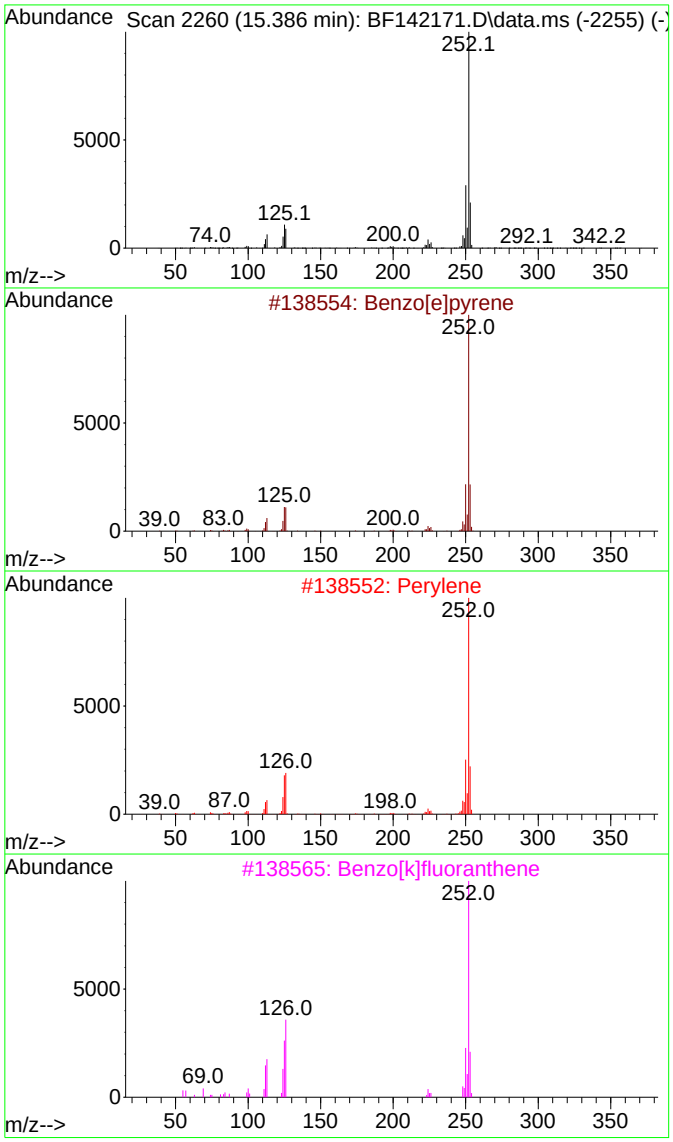
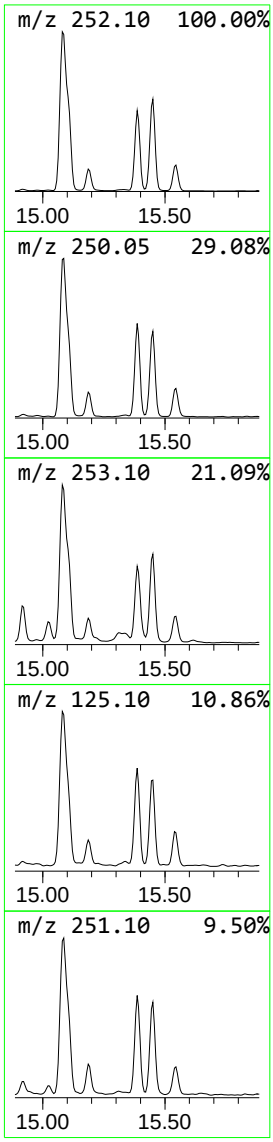
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.386	20.88 ng	606200	Perylene-d12	15.509

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
Acq On : 28 Mar 2025 20:31
Operator : RC/JU
Sample : Q1650-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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...	2.140	33.1	ng	1204670	1	6.869	728109	20.0
2-Pentanone, 4-...	5.087	5.7	ng	205536	1	6.869	728109	20.0
Naphthalene, 1,...	9.563	3.5	ng	178775	3	9.904	1027390	20.0
Naphthalene, 2,...	9.681	2.9	ng	150490	3	9.904	1027390	20.0
Benzene, [1-(2,...	10.522	2.5	ng	126401	3	9.904	1027390	20.0
Benzophenone	10.616	7.4	ng	381465	3	9.904	1027390	20.0
Phenanthrene, 1...	11.898	2.2	ng	309408	4	11.392	2777840	20.0
Phenanthrene, 2...	11.922	3.7	ng	512702	4	11.392	2777840	20.0
4H-Cyclopenta[d...	12.010	9.1	ng	1263470	4	11.392	2777840	20.0
Cyclopenta(def)...	12.533	3.4	ng	473431	4	11.392	2777840	20.0
Pyrene, 1-methyl-	13.057	4.2	ng	588601	5	14.039	2837330	20.0
11H-Benzo[b]flu...	13.163	7.1	ng	1005660	5	14.039	2837330	20.0
11H-Benzo[a]flu...	13.233	4.2	ng	595618	5	14.039	2837330	20.0
11H-Benzo[a]flu...	13.674	2.6	ng	370788	5	14.039	2837330	20.0
Benzo[b]naphtho...	13.786	2.5	ng	358569	5	14.039	2837330	20.0
unknown13.816	13.816	2.4	ng	332830	5	14.039	2837330	20.0
unknown13.839	13.839	2.2	ng	318149	5	14.039	2837330	20.0
unknown14.886	14.886	2.9	ng	84693	6	15.509	580630	20.0
Benzo[e]pyrene	15.186	4.8	ng	138894	6	15.509	580630	20.0
Perylene	15.386	20.9	ng	606200	6	15.509	580630	20.0