LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142588.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.269	7	13	20	rBV	9726	17189	1.17%	0.078%
2	5.104	488	495	506	rBV	67392	95936	6.53%	0.433%
3	5.510	558	564	576	rBV	695711	906821	61.74%	4.093%
4	6.516	730	735	748	rVB	702010	885249	60.27%	3.996%
5	6.898	795	800	805	rBV	650455	792380	53.95%	3.577%
6	7.457	886	895	900	rBV	436925	553443	37.68%	2.498%
7	7.704	921	937	945	rVB8	10418	26456	1.80%	0.119%
8	8.181	1011	1018	1026	rBV	772155	1101159	74.97%	4.971%
9	8.469	1063	1067	1071	rBV5	10282	15483	1.05%	0.070%
10	8.687	1100	1104	1108	rBV5	14464	18003	1.23%	0.081%
11	8.769	1114	1118	1122	rBV	26794	31173	2.12%	0.141%
12	8.845	1122	1131	1135	rVV8	11273	36554	2.49%	0.165%
13	8.892	1135	1139	1144	rVB	154488	190901	13.00%	0.862%
14	8.992	1151	1156	1163	rBV	159060	217423	14.80%	0.981%
15	9.128	1176	1179	1184	rBV3	12811	20281	1.38%	0.092%
16	9.198	1188	1191	1196	rVB4	18074	20761	1.41%	0.094%
17	9.257	1196	1201	1205	rBV	716481	891438	60.69%	4.024%
18	9.334	1210	1214	1223	rBV2	63890	105184	7.16%	0.475%
19	9.457	1231	1235	1240	rVB	28822	47103	3.21%	0.213%
20	9.522	1241	1246	1250	rBV	108400	167328	11.39%	0.755%
21	9.592	1254	1258	1261	rVV	147095	215665	14.68%	0.974%
22	9.622	1261	1263	1266	rVV	87117	103474	7.04%	0.467%
23	9.651	1266	1268	1275	rVV5	49371	79788	5.43%	0.360%
24	9.716	1275	1279	1288	rVB	84520	139356	9.49%	0.629%
25	9.798	1289	1293	1297	rBV	118367	151550	10.32%	0.684%
26	9.863	1300	1304	1308	rVB	93206	113014	7.69%	0.510%
27	9.939	1310	1317	1321	rBV	736148	952634	64.86%	4.300%
28	9.969	1321	1322	1326	rVB	76394	66016	4.49%	0.298%
29	10.039	1331	1334	1339	rVB2	37093	51786	3.53%	0.234%
30	10.092	1339	1343	1346	rBV3	25523	45878	3.12%	0.207%
31	10.139	1346	1351	1355	rVB	87088	119723	8.15%	0.540%
32	10.181	1355	1358	1363	rVB3	69787	84144	5.73%	0.380%
33	10.251	1367	1370	1373	rBV2	57212	78543	5.35%	0.355%
34	10.281	1373	1375	1381	rVB2	45270	55102	3.75%	0.249%
35	10.363	1381	1389	1393	rBV2	146069	242514	16.51%	1.095%
36	10.486	1405	1410	1416	rVB	173128	233729	15.91%	1.055%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.581	1423	1426	1432	rVB2	59470	109780	7.47%	0.496%
38	10.645	1433	1437	1444	rVB2	69952	117728	8.02%	0.531%
39	10.728	1445	1451	1455	rBV	362716	492174	33.51%	2.222%
40	10.839	1466	1470	1478	rVB2	167213	296280	20.17%	1.337%
41	11.033	1498	1503	1506	rBV2	81958	137232	9.34%	0.619%
42	11.063	1506	1508	1512	rVV2	67254	79642	5.42%	0.360%
43	11.116	1515	1517	1521	rVB2	36148	41500	2.83%	0.187%
44	11.286	1542	1546	1549	rBV	121545	163196	11.11%	0.737%
45	11.322	1549	1552	1557	rVB2	134528	183858	12.52%	0.830%
46	11.428	1565	1570	1572	rBV	610186	833263	56.73%	3.761%
47	11.451	1572	1574	1579	rVV	788717	890416	60.62%	4.019%
48	11.504	1579	1583	1586	rVV	151260	190156	12.95%	0.858%
49	11.533	1586	1588	1591	rVB2	26583	31641	2.15%	0.143%
50	11.663	1606	1610	1615	rBV3	44480	72967	4.97%	0.329%
51	11.716	1615	1619	1623	rVV2	111554	145107	9.88%	0.655%
52	11.757	1623	1626	1632	rVB	57772	76994	5.24%	0.348%
53	11.839	1637	1640	1644	rVB	40044	50127	3.41%	0.226%
54	11.933	1651	1656	1657	rBV	201658	261601	17.81%	1.181%
55	11.957	1657	1660	1664	rVV	275659	367453	25.02%	1.659%
56	12.004	1665	1668	1671	rVV2	70380	96263	6.55%	0.435%
57	12.039	1671	1674	1683	rVB	280747	562166	38.27%	2.538%
58	12.122	1684	1688	1692	rBV	93880	121446	8.27%	0.548%
59	12.228	1702	1706	1708	rBV	80526	110858	7.55%	0.500%
60	12.404	1733	1736	1739	rBV	65379	80031	5.45%	0.361%
61	12.480	1745	1749	1752	rBV	193788	278977	18.99%	1.259%
62	12.516	1752	1755	1761	rVV3	173261	280172	19.07%	1.265%
63	12.569	1761	1764	1772	rVB3	74156	127968	8.71%	0.578%
64	12.645	1772	1777	1781	rBV	799474	1009036	68.70%	4.555%
65	12.875	1810	1816	1822	rBV	886531	1326476	90.31%	5.988%
66	12.927	1822	1825	1829	rVB3	76086	97049	6.61%	0.438%
67	13.010	1835	1839	1847	rVB	529397	786727	53.56%	3.551%
68	13.092	1849	1853	1860	rBV5	113649	211291	14.39%	0.954%
69	13.198	1865	1871	1875	rVB	185915	322583	21.96%	1.456%
70	13.245	1876	1879	1880	rVV2	51933	63982	4.36%	0.289%
71	13.269	1880	1883	1886	rVV	116944	146223	9.96%	0.660%
72	13.304	1886	1889	1897	rVB2	144451	214567	14.61%	0.969%
73	13.398	1902	1905	1907	rBV	92493	99351	6.76%	0.448%
74	13.427	1908	1910	1914	rVB	81599	88712	6.04%	0.400%
75	14.069	2014	2019	2023	rBV2	824476	1468806	100.00%	6.630%
76	15.133	2196	2200	2207	rVB	215783	448033	30.50%	2.022%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.574	2271	2275	2295	rVB2	333737	797747	54.31%	3.601%

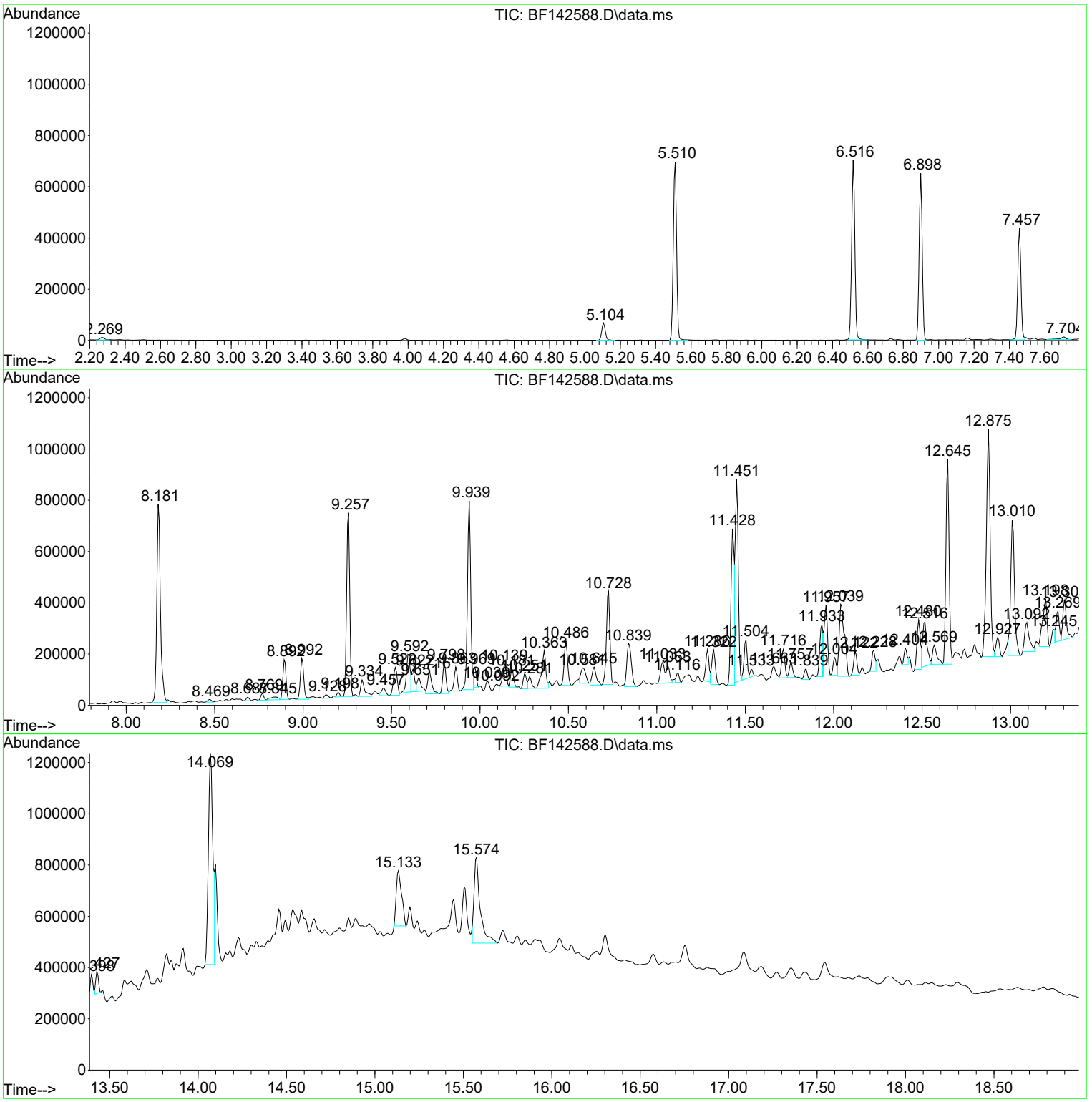
Sum of corrected areas: 22152760

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

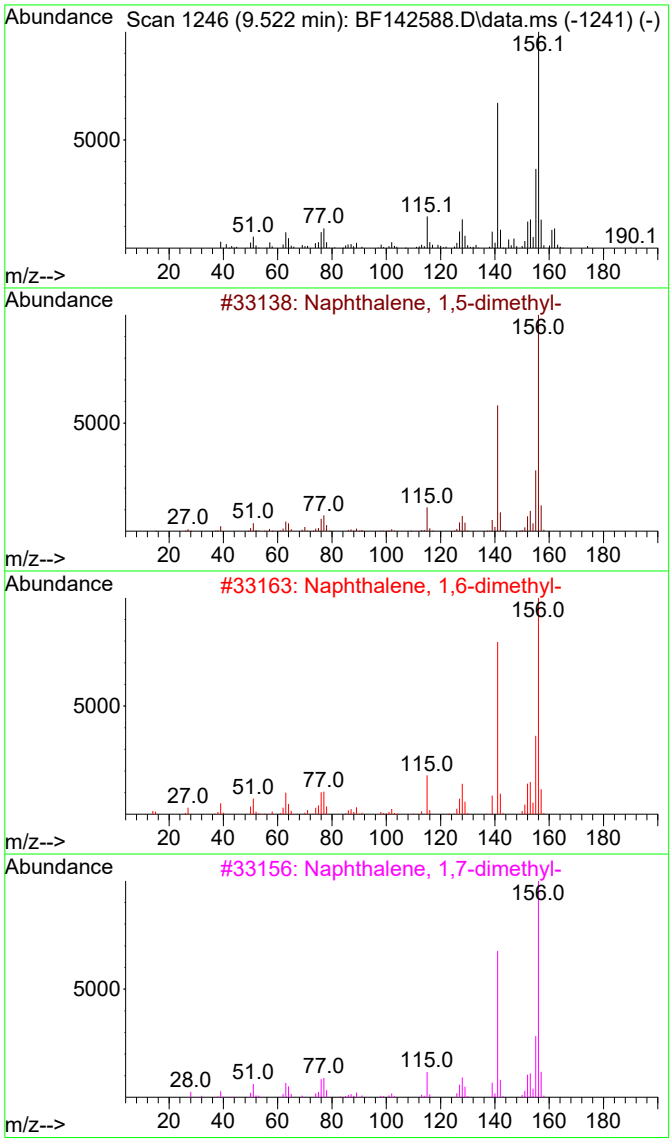
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

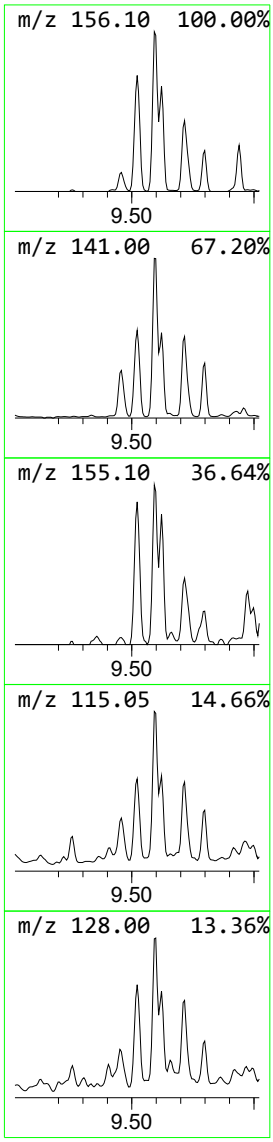
****

Peak Number 1 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	3.51 ng	167328	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

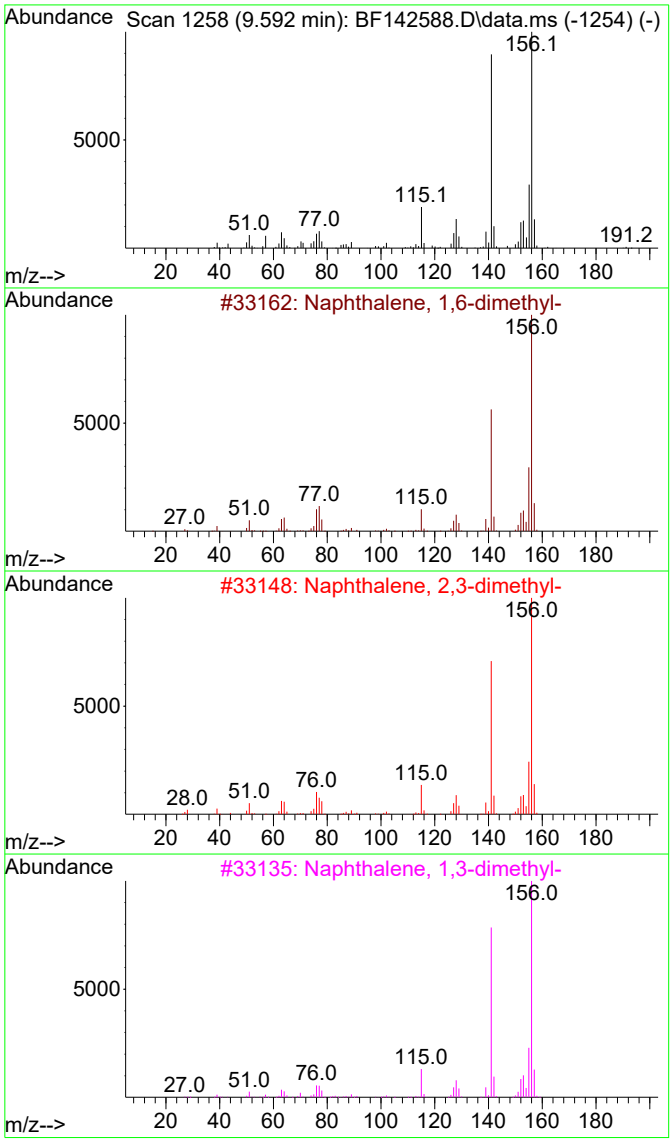
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

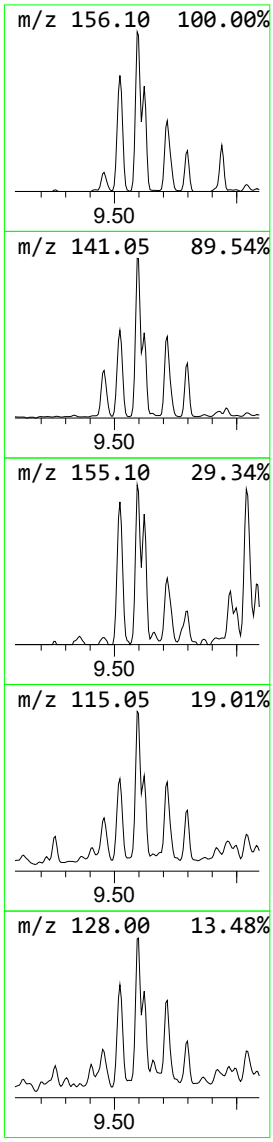
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.592	4.53 ng	215665	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

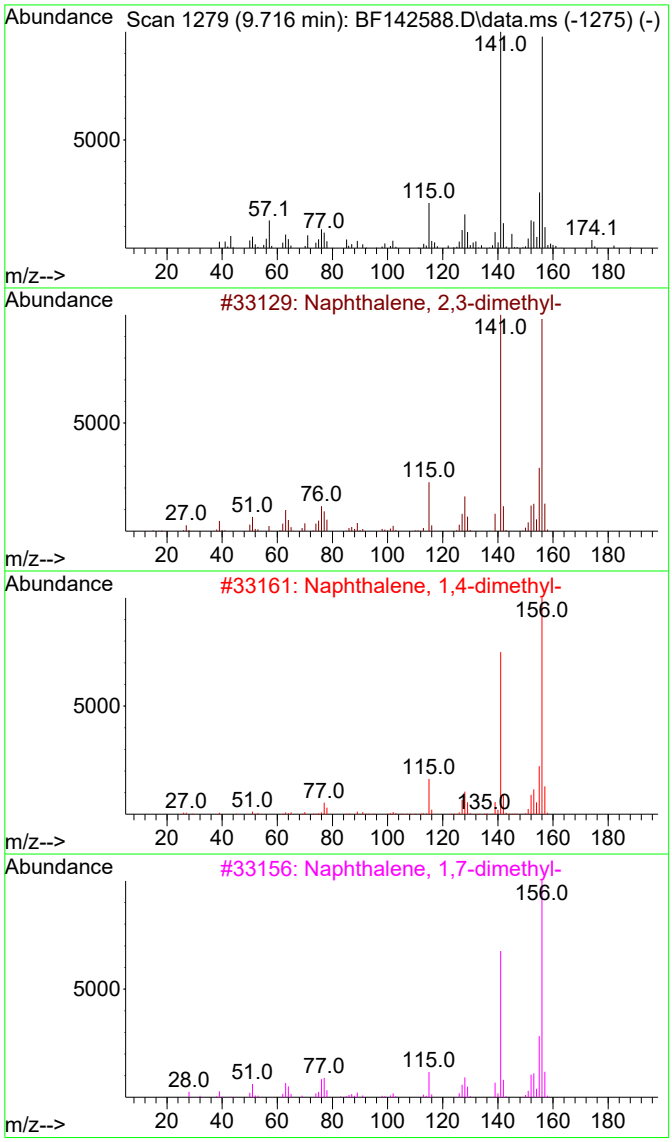
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

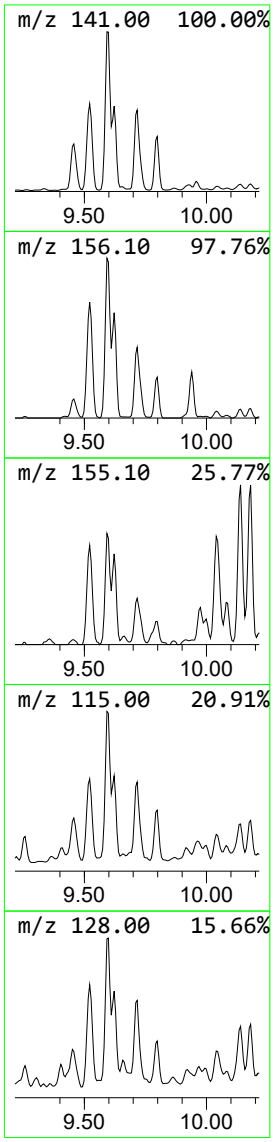
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.716	2.93 ng	139356	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

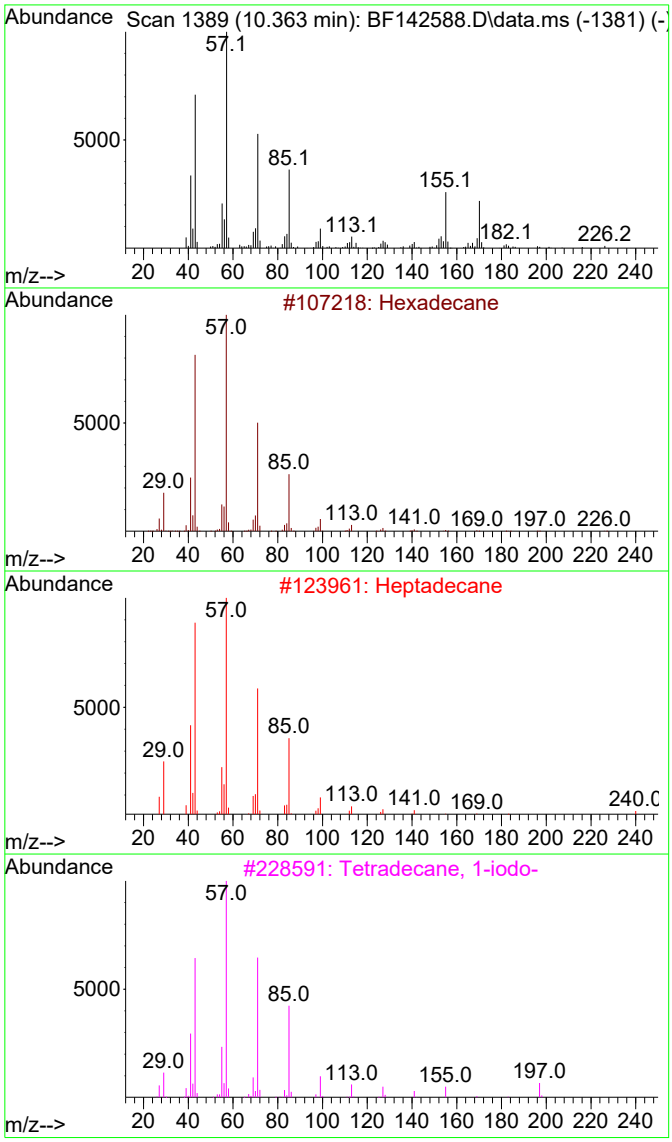
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

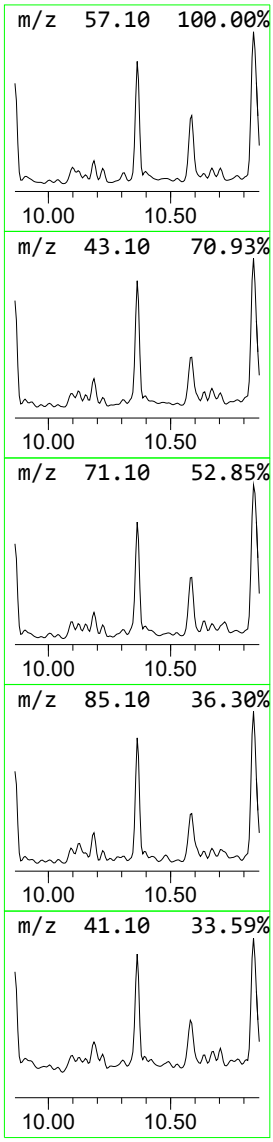
****

Peak Number 4 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.363	5.09 ng	242514	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	92
2	Heptadecane	240	C17H36	000629-78-7	58
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	52
4	Heptacosane	380	C27H56	000593-49-7	52
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

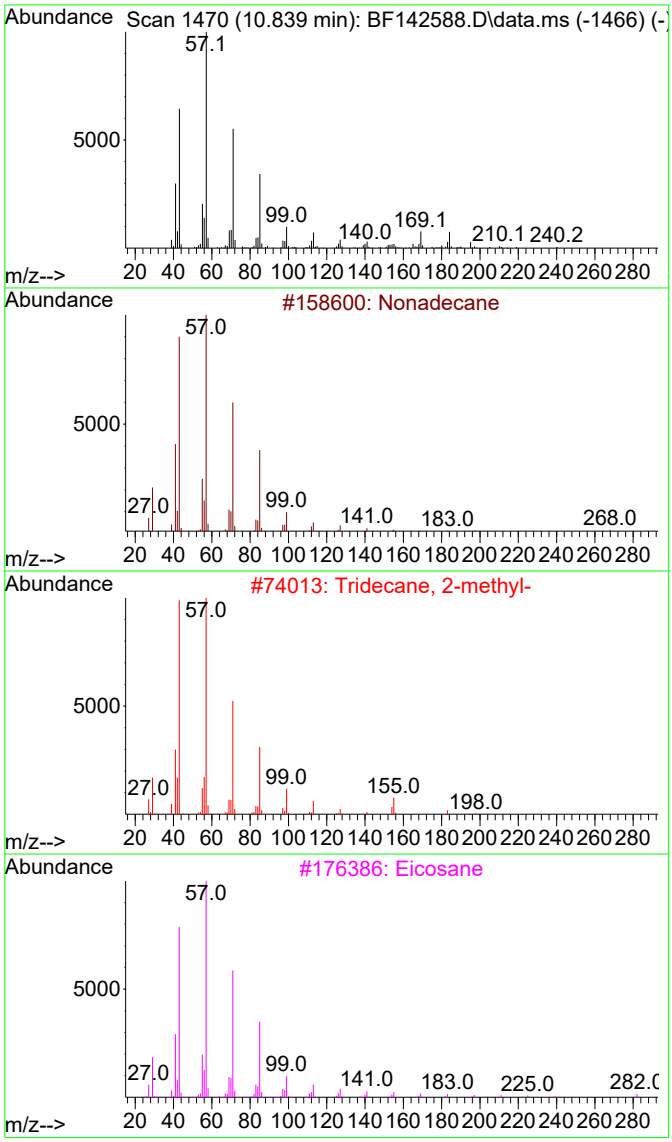
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

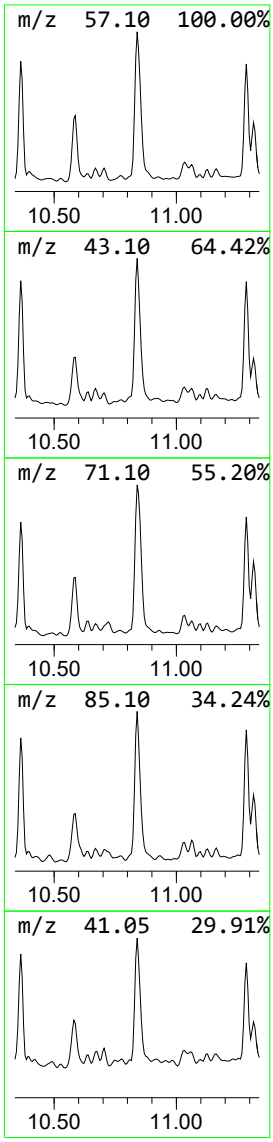
****

Peak Number 5 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.839	7.11 ng	296280	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
3	Eicosane	282	C20H42	000112-95-8	87
4	Heptadecane	240	C17H36	000629-78-7	83
5	Pentadecane	212	C15H32	000629-62-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

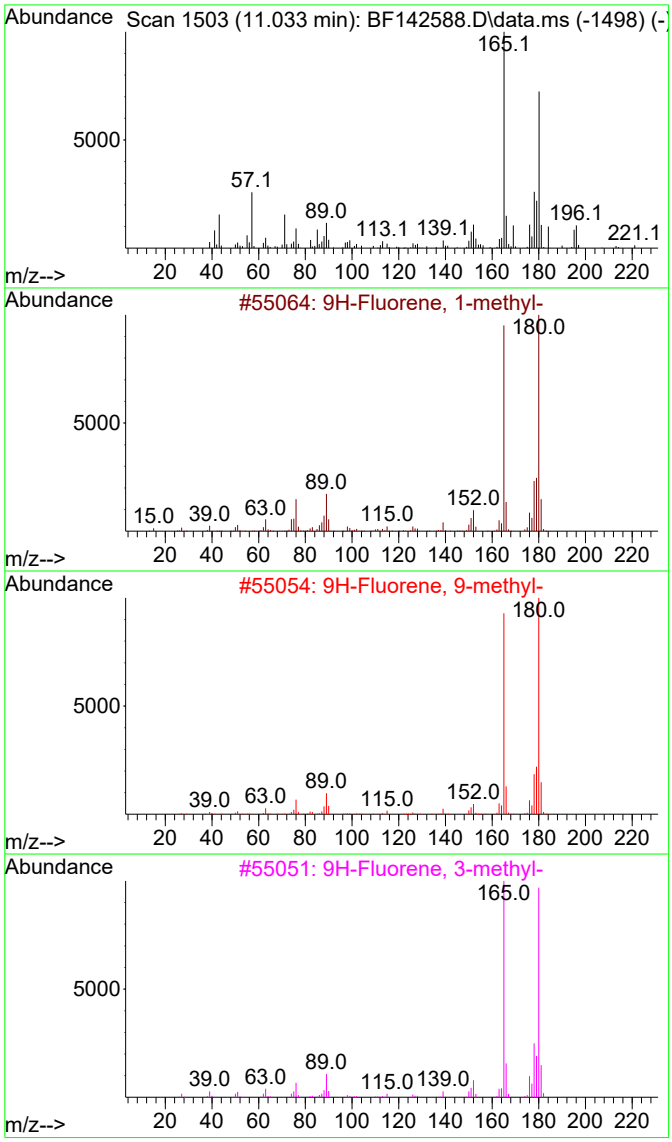
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

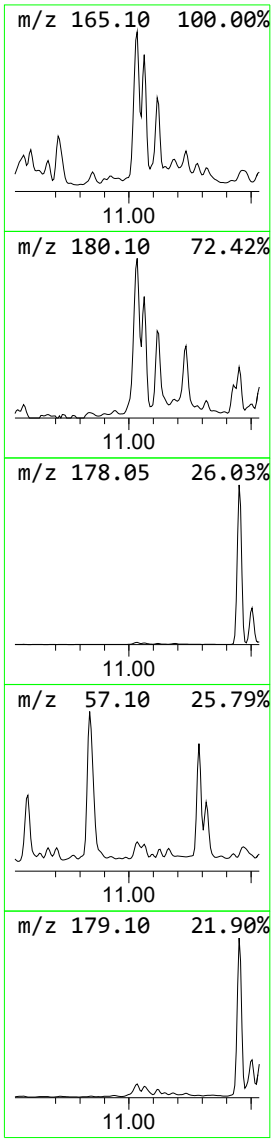
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.034	3.29 ng	137232	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	91
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
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Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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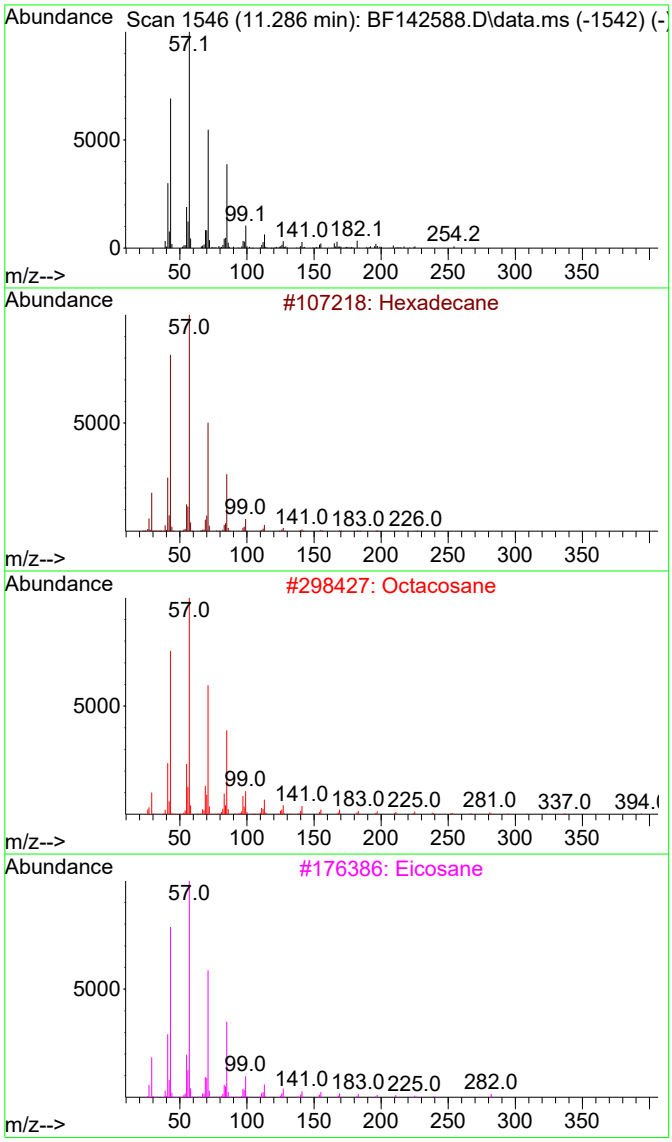
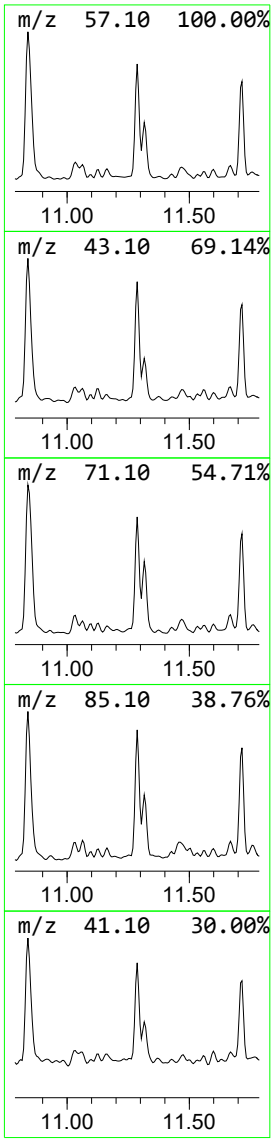
Peak Number 7 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	3.92 ng	163196	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Octacosane	394	C28H58	000630-02-4	90
3	Eicosane	282	C20H42	000112-95-8	87
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86





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Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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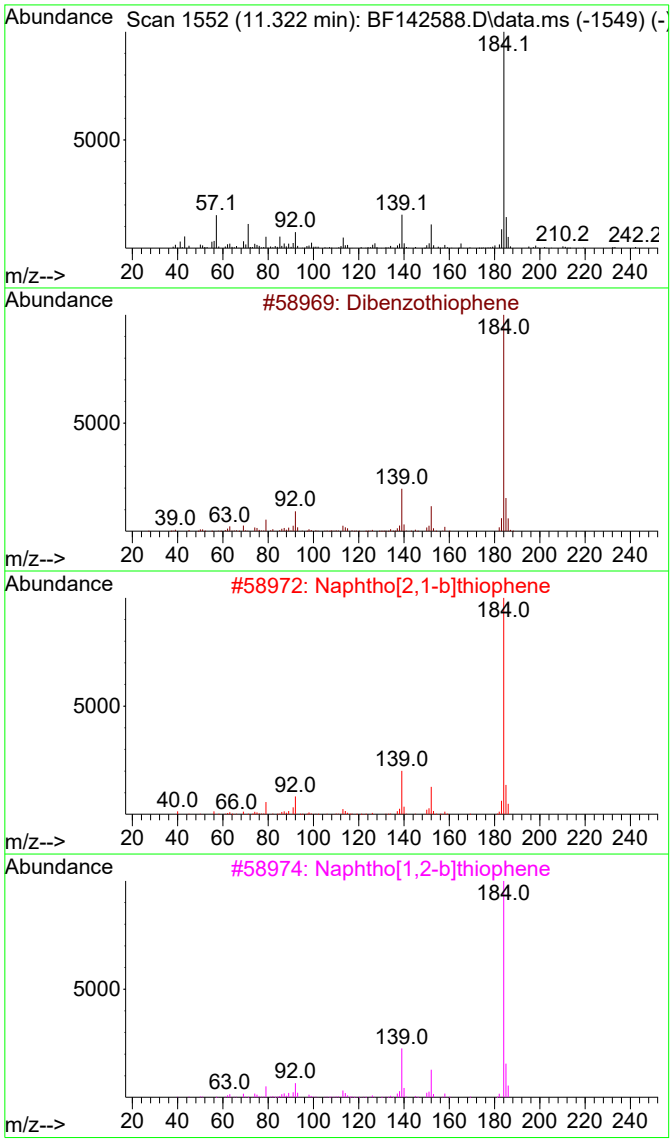
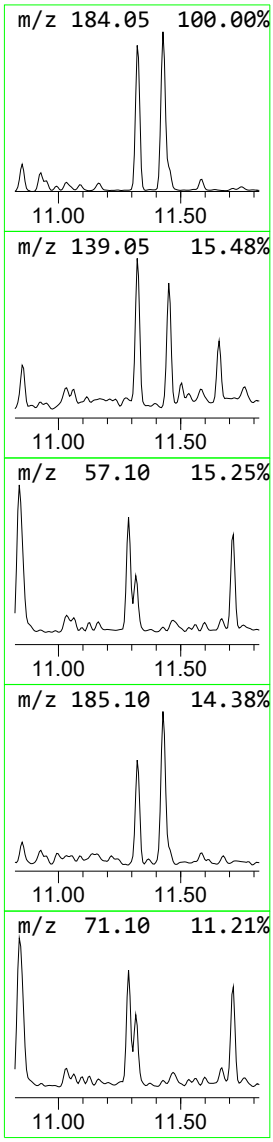
Peak Number 8 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.322	4.41 ng	183858	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Benzidine	184	C12H12N2	000092-87-5	59





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Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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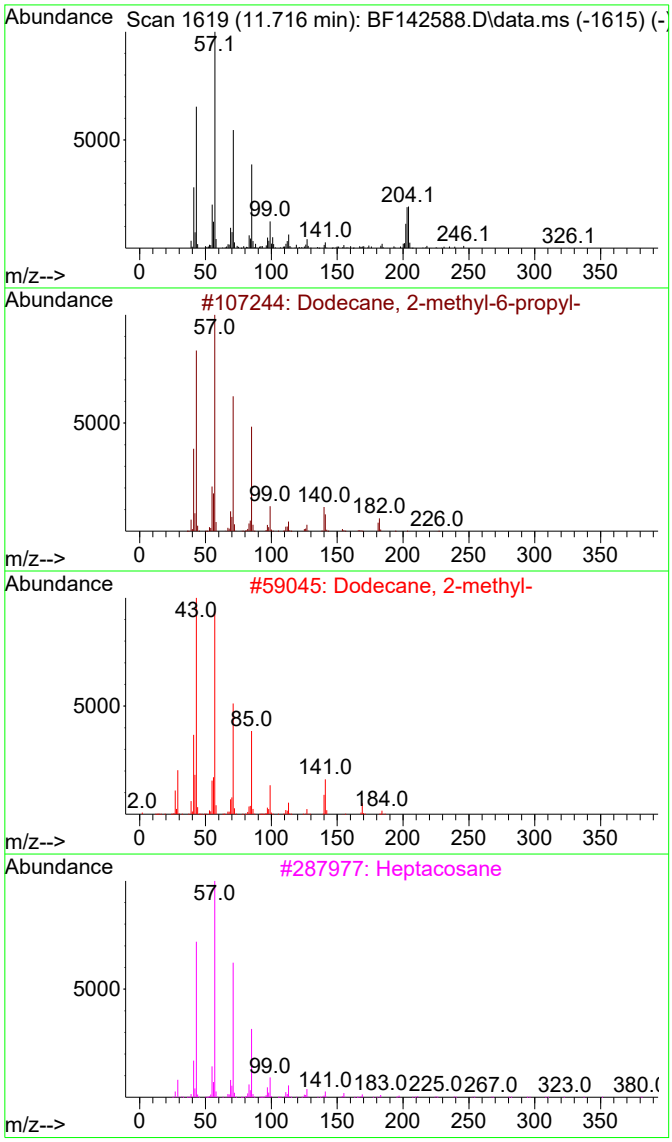
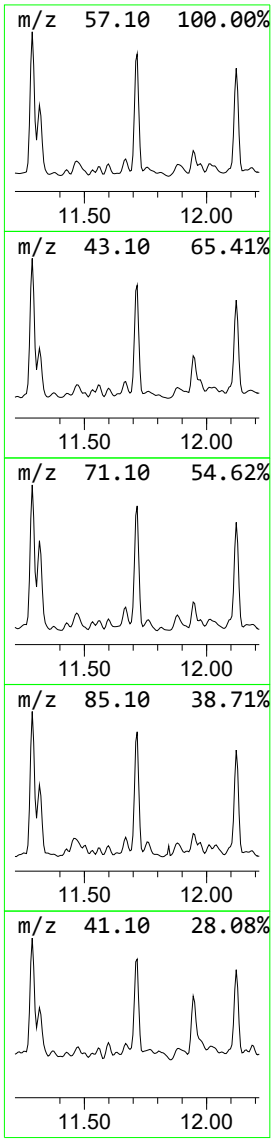
Peak Number 9 Dodecane, 2-methyl-6-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.716	3.48 ng	145107	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	62
3	Heptacosane	380	C27H56	000593-49-7	62
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	62
5	Hexadecane	226	C16H34	000544-76-3	58





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Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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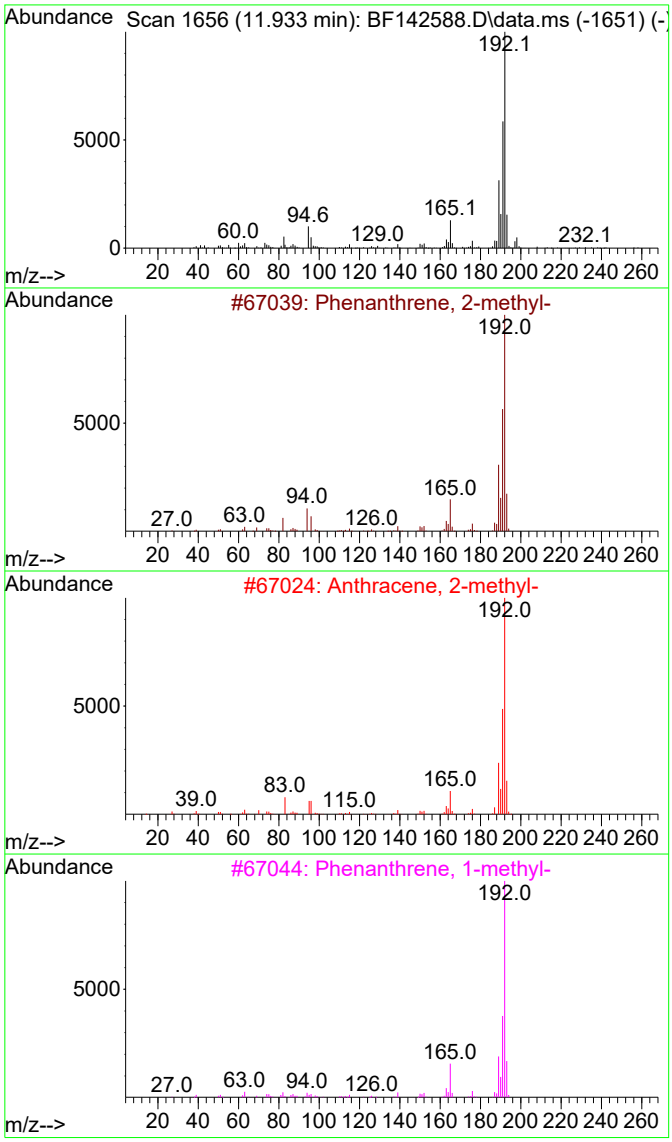
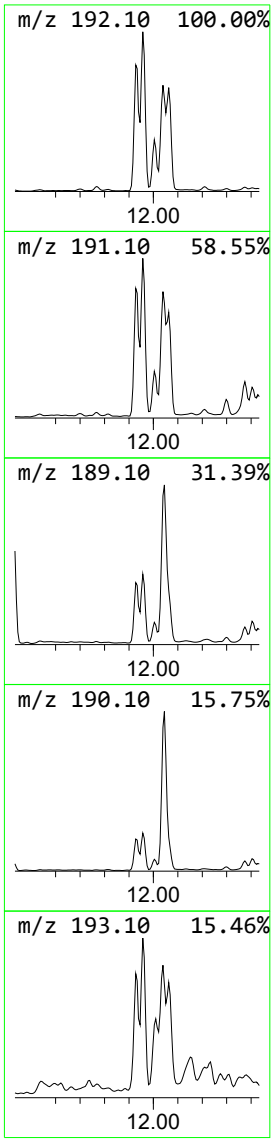
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	6.28 ng	261601	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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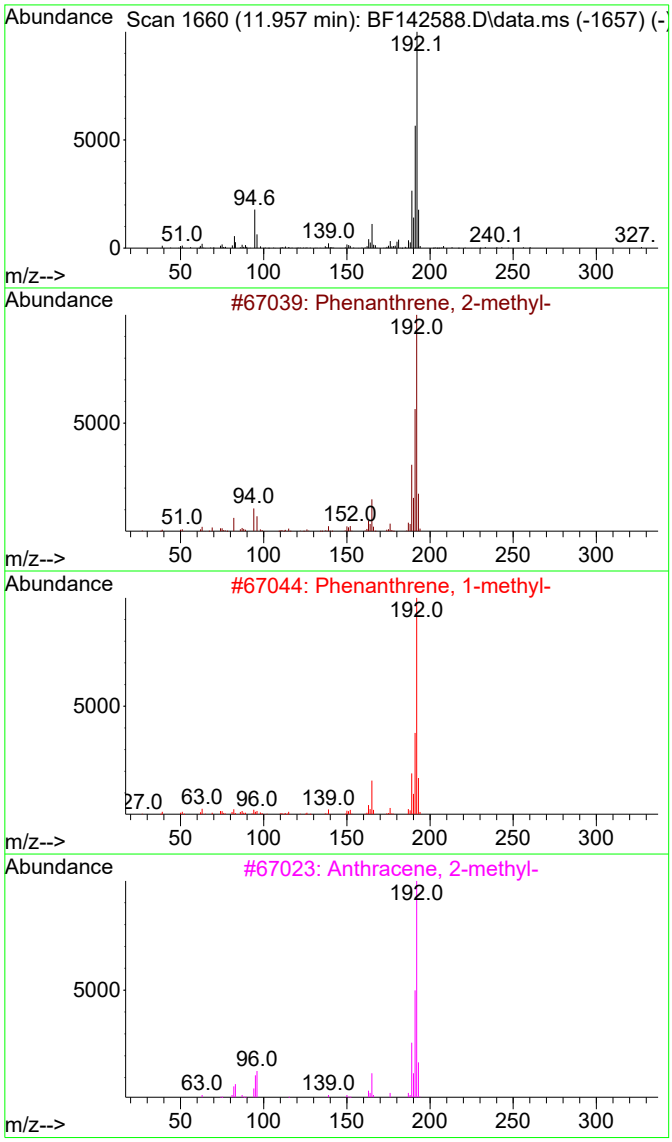
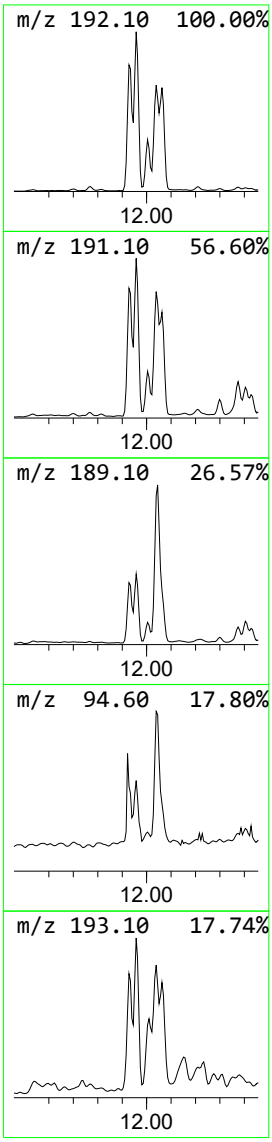
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	8.82 ng	367453	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





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Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

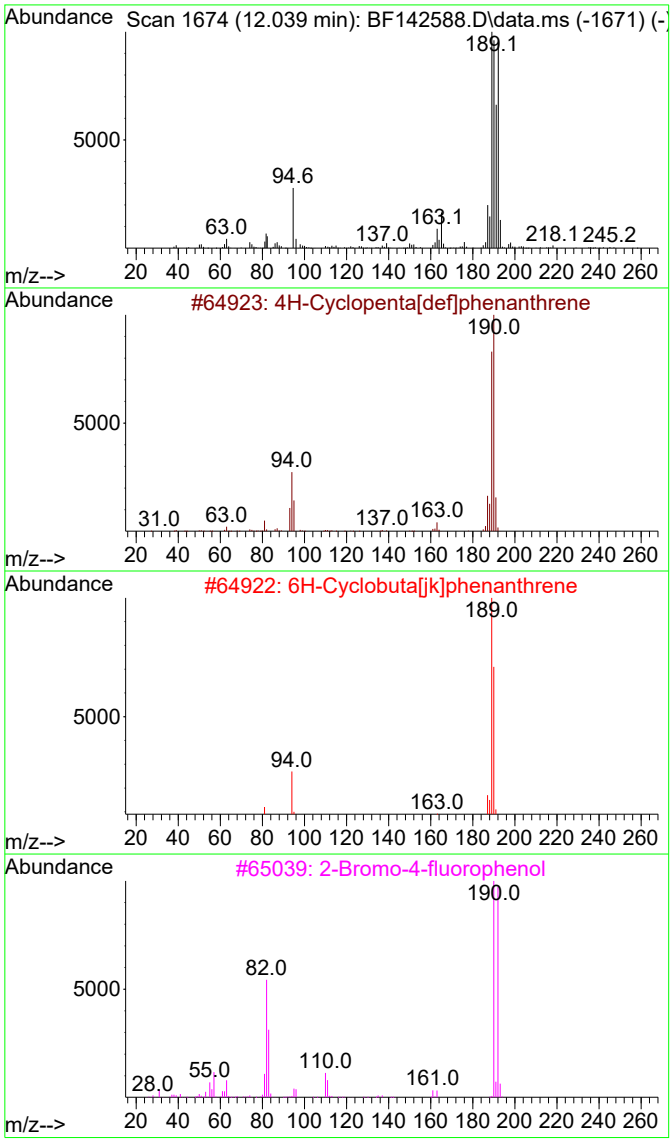
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

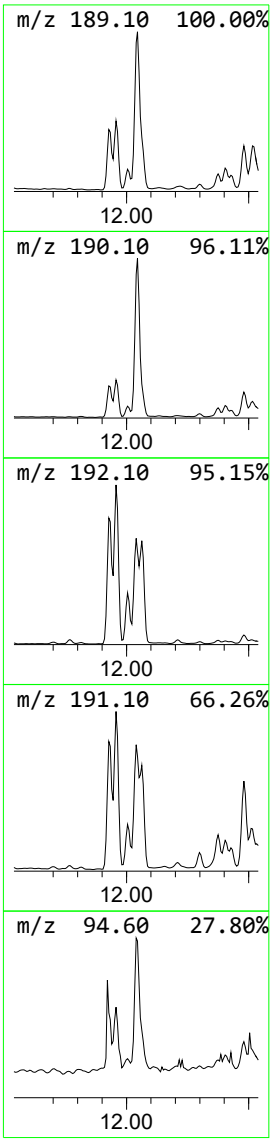
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	13.49 ng	562166	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	2-Bromo-4-fluorophenol	190	C6H4BrFO	000496-69-5	43
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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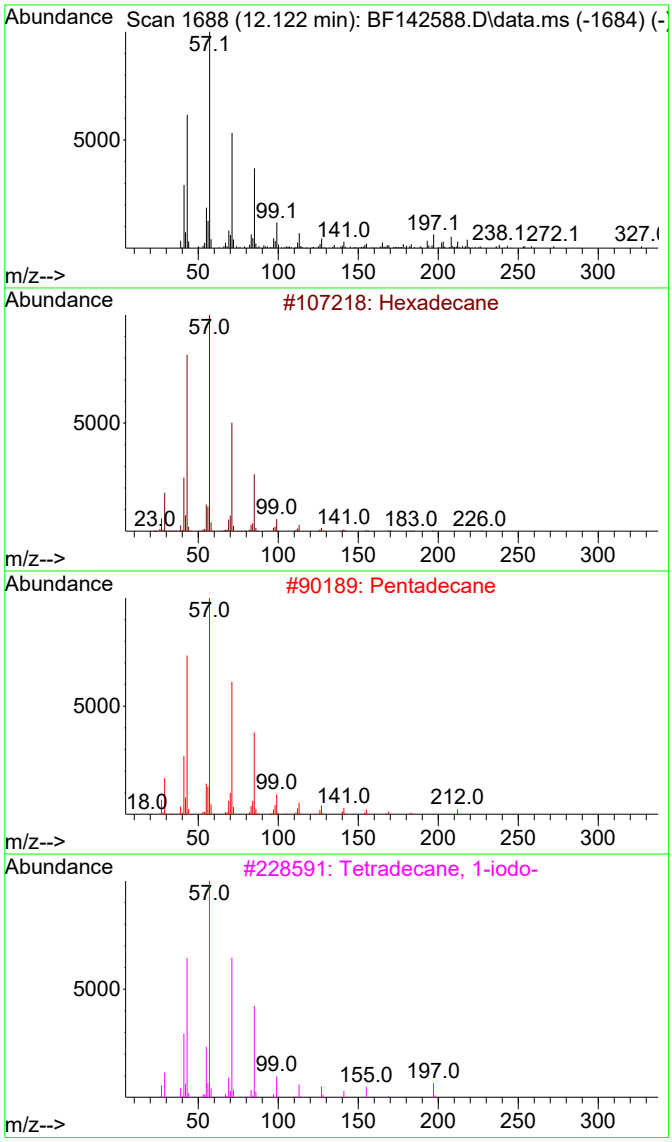
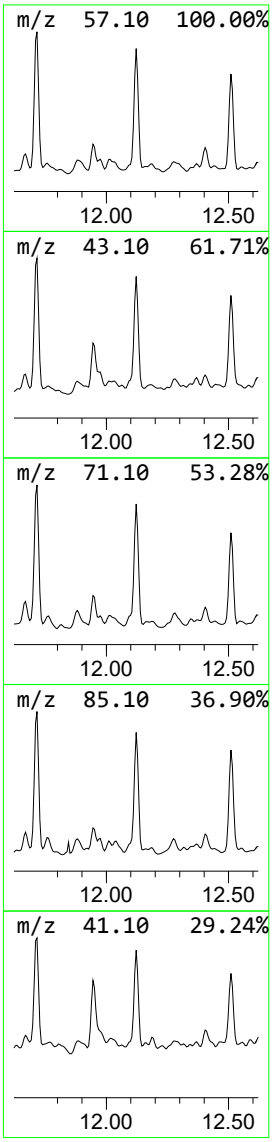
Peak Number 13 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.122	2.91 ng	121446	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Pentadecane	212	C15H32	000629-62-9	95
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	83
4	Heptacosane	380	C27H56	000593-49-7	81
5	Eicosane	282	C20H42	000112-95-8	81





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Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-02-05292025

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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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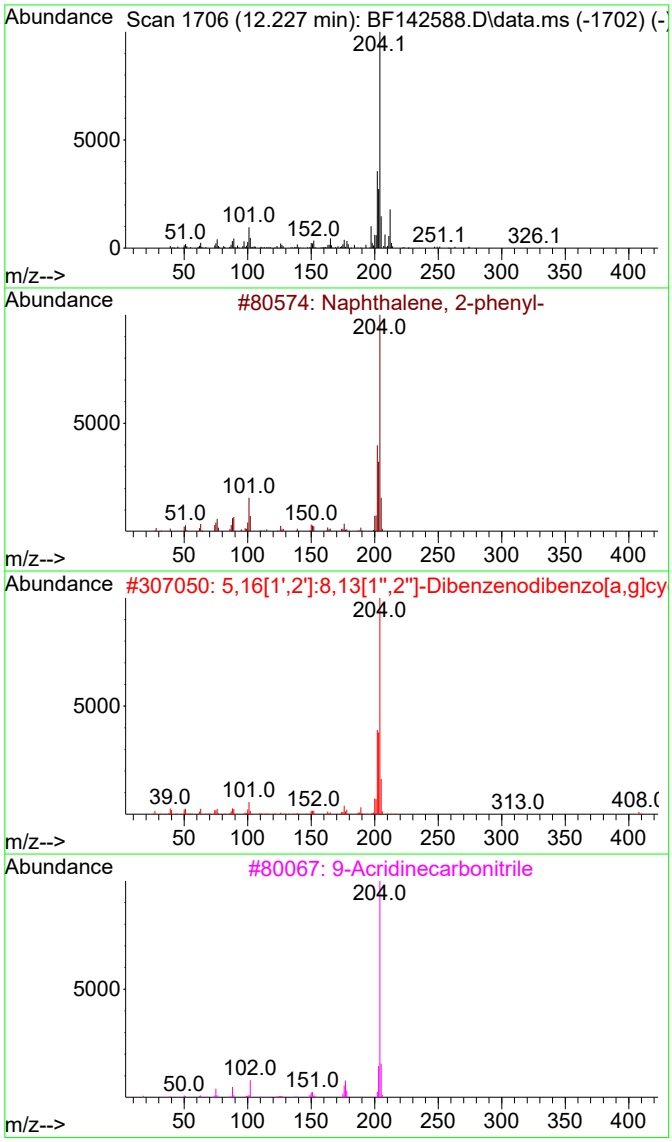
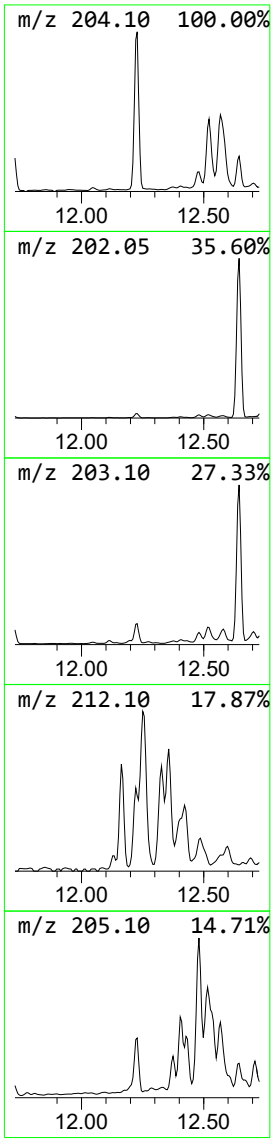
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	2.66 ng	110858	Phenanthrene-d10	11.428

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	64
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46





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Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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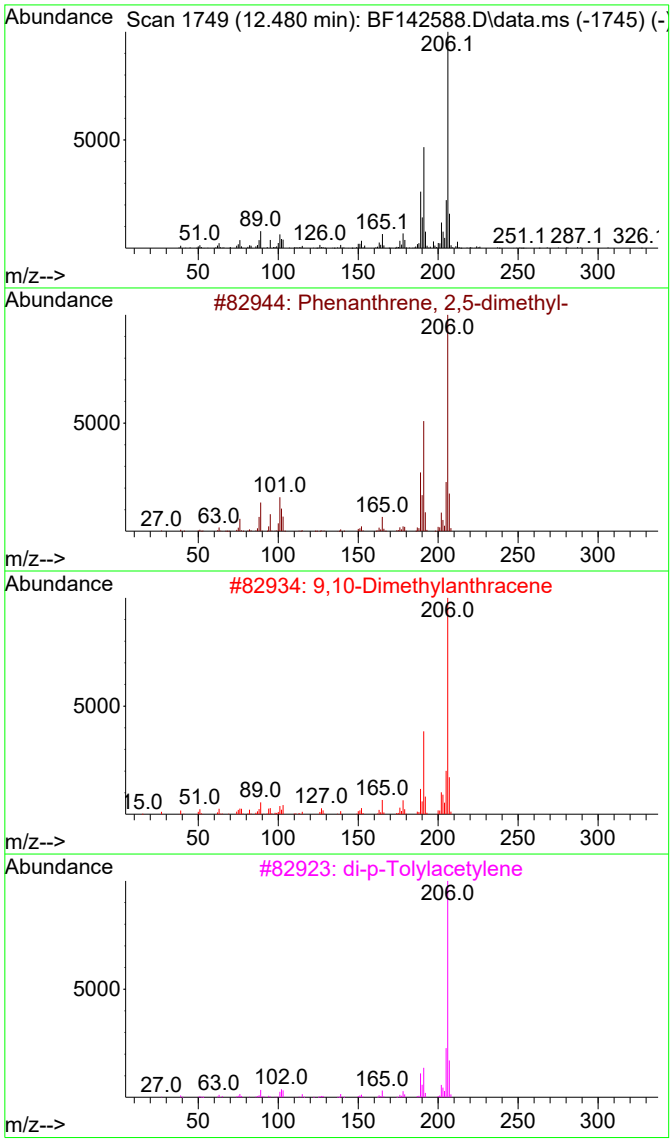
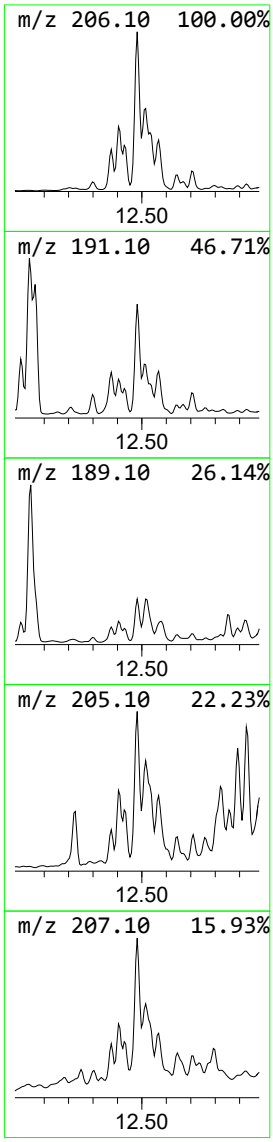
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	6.70 ng	278977	Phenanthrene-d10	11.428

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, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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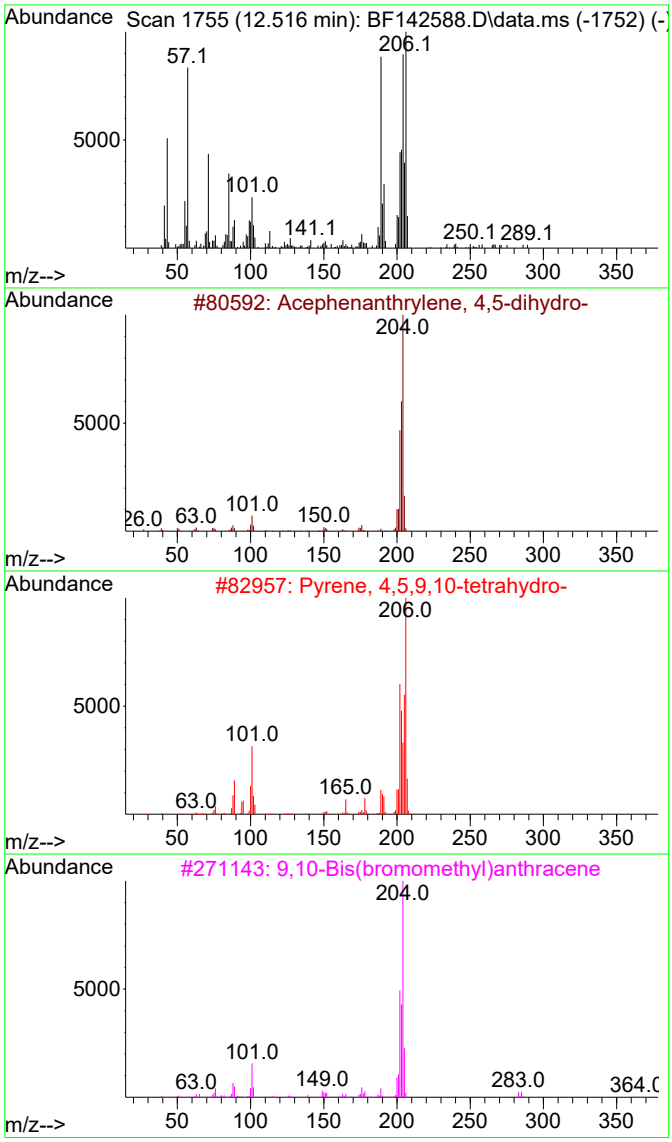
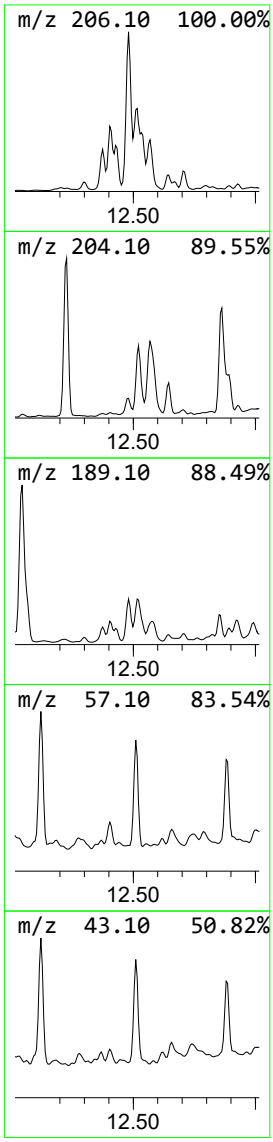
Peak Number 16 Acephenanthrylene, 4,5-dihy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	6.72 ng	280172	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	51
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	30
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	30





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Misc :
ALS Vial : 24 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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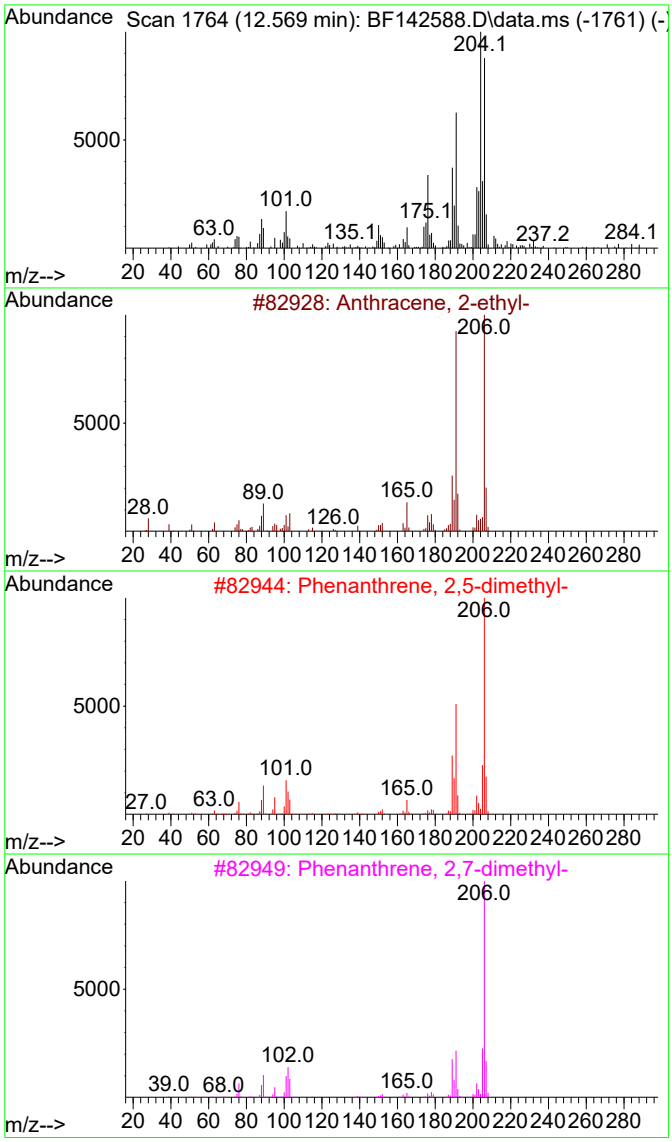
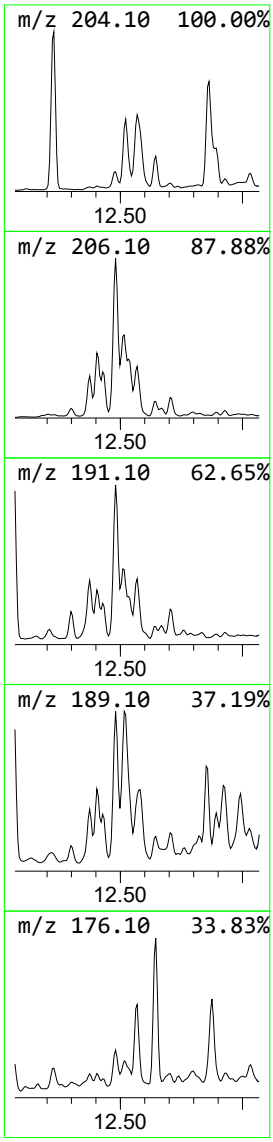
Peak Number 17 Anthracene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	3.07 ng	127968	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	78
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	70





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Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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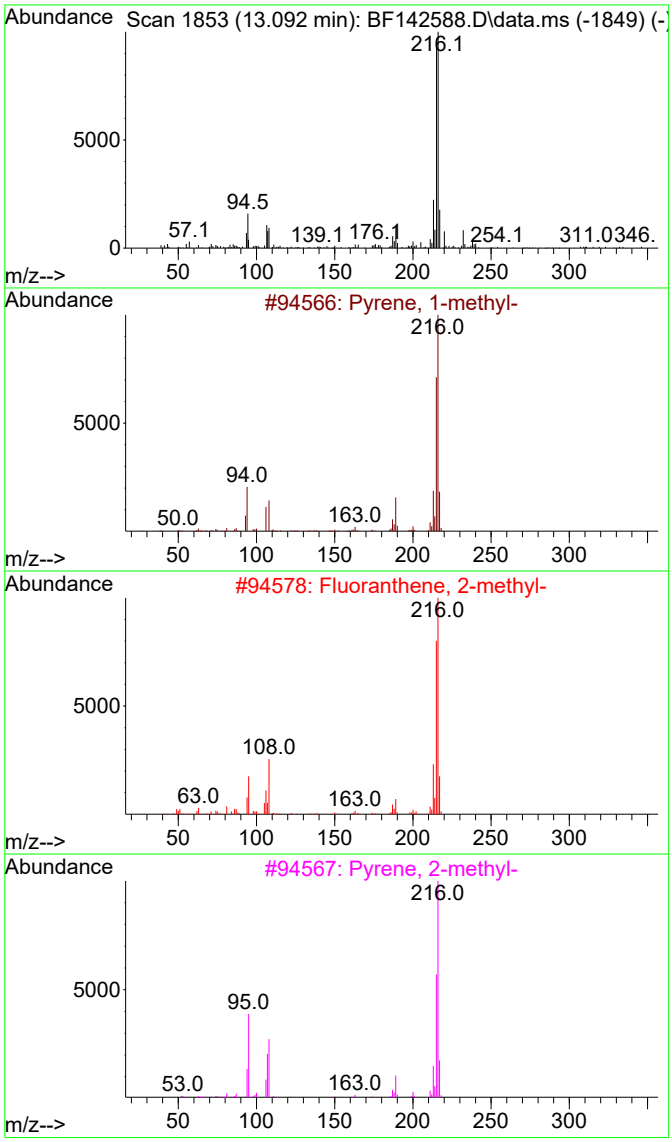
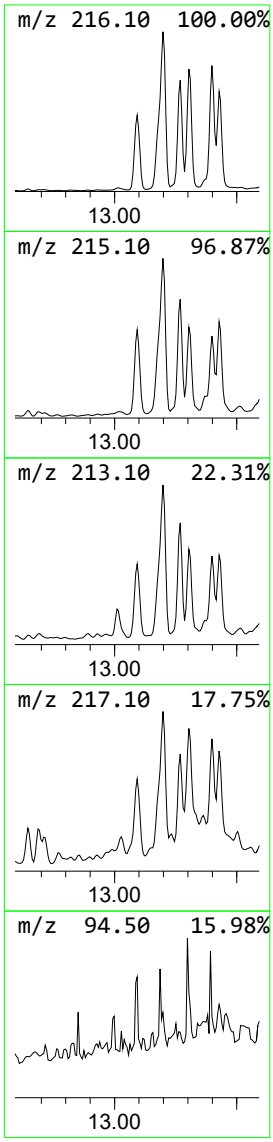
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	2.88 ng	211291	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

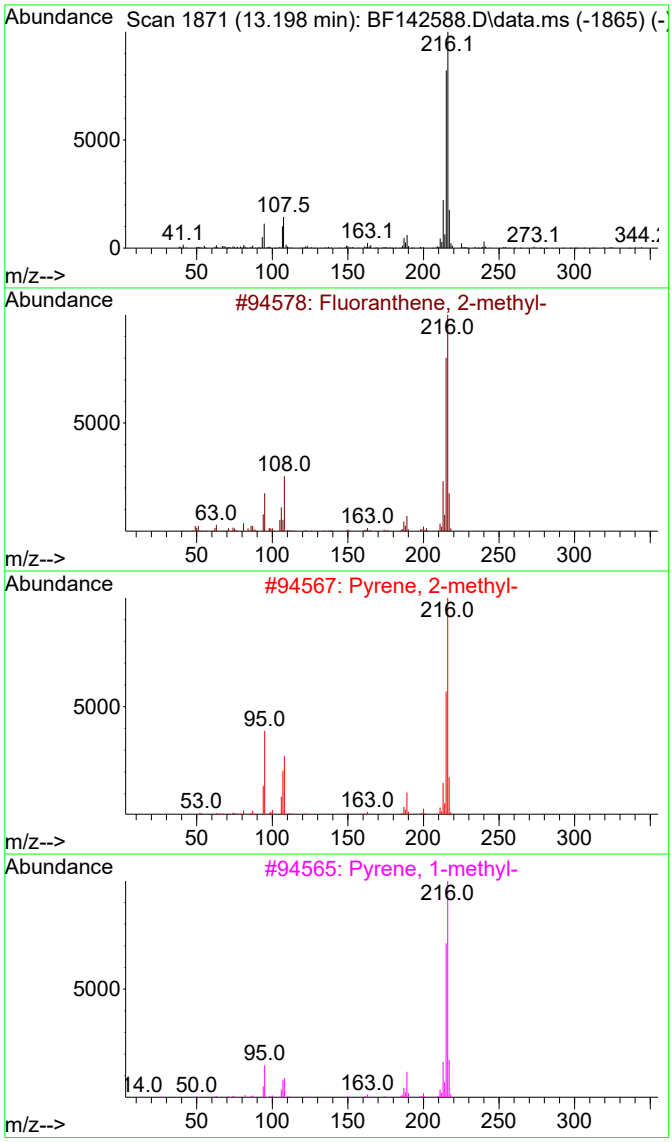
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

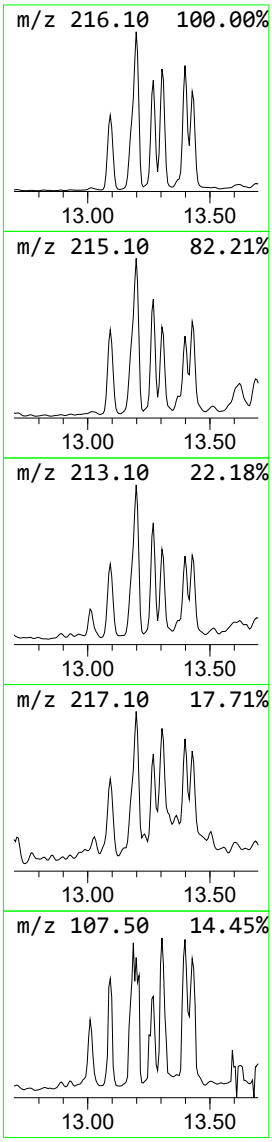
****

Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	4.39 ng	322583	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

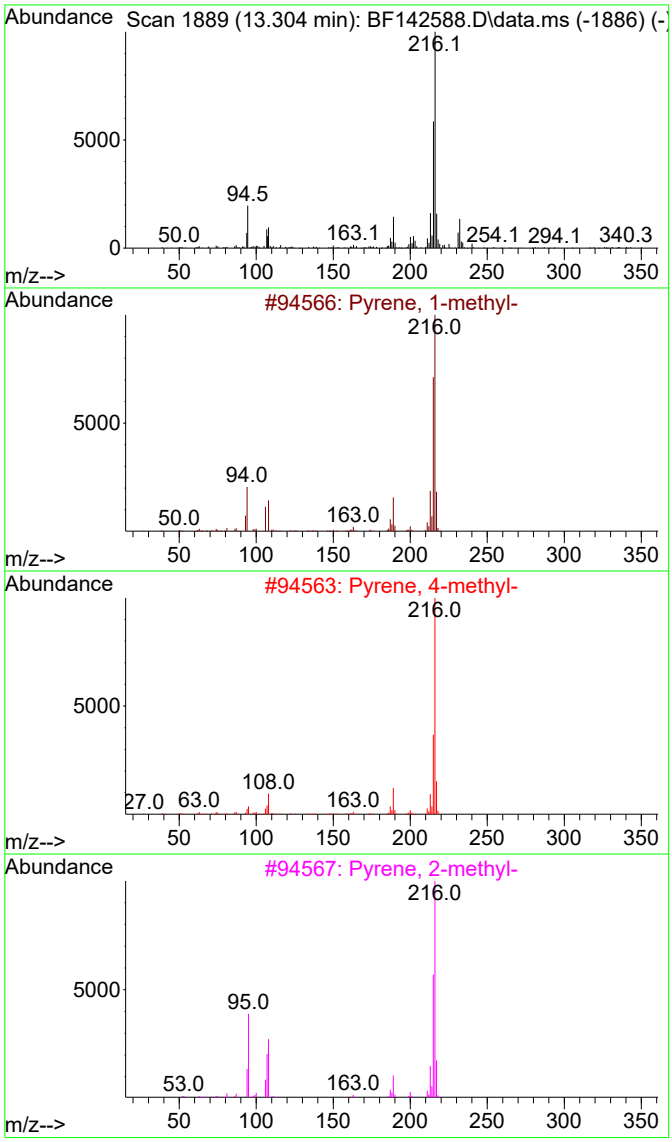
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

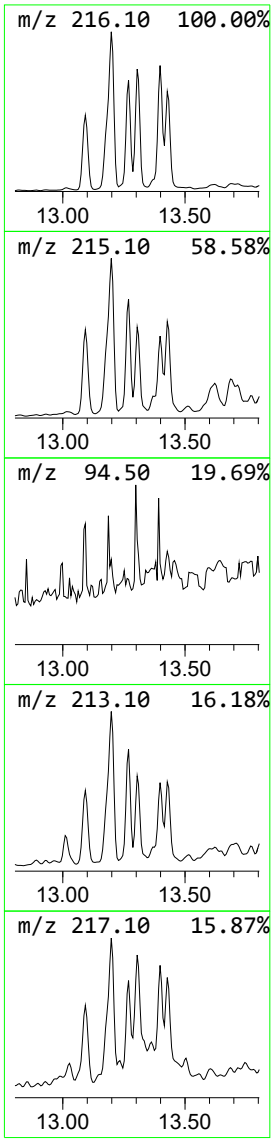
****

Peak Number 20 Pyrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.304	2.92 ng	214567	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142588.D
Acq On : 31 May 2025 00:10
Operator : RC/JU
Sample : Q2152-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-05292025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1,...	9.522	3.5	ng	167328	3	9.939	952634	20.0
Naphthalene, 1,...	9.592	4.5	ng	215665	3	9.939	952634	20.0
Naphthalene, 2,...	9.716	2.9	ng	139356	3	9.939	952634	20.0
Hexadecane	10.363	5.1	ng	242514	3	9.939	952634	20.0
Nonadecane	10.839	7.1	ng	296280	4	11.428	833263	20.0
9H-Fluorene, 1-...	11.034	3.3	ng	137232	4	11.428	833263	20.0
Octacosane	11.286	3.9	ng	163196	4	11.428	833263	20.0
Dibenzothiophene	11.322	4.4	ng	183858	4	11.428	833263	20.0
Dodecane, 2-met...	11.716	3.5	ng	145107	4	11.428	833263	20.0
Phenanthrene, 2...	11.933	6.3	ng	261601	4	11.428	833263	20.0
Phenanthrene, 1...	11.957	8.8	ng	367453	4	11.428	833263	20.0
4H-Cyclopenta[d...	12.039	13.5	ng	562166	4	11.428	833263	20.0
Pentadecane	12.122	2.9	ng	121446	4	11.428	833263	20.0
Naphthalene, 2-...	12.227	2.7	ng	110858	4	11.428	833263	20.0
Phenanthrene, 2...	12.480	6.7	ng	278977	4	11.428	833263	20.0
Acephenanthryle...	12.516	6.7	ng	280172	4	11.428	833263	20.0
Anthracene, 2-e...	12.569	3.1	ng	127968	4	11.428	833263	20.0
Pyrene, 1-methyl-	13.092	2.9	ng	211291	5	14.074	1468810	20.0
Fluoranthene, 2...	13.198	4.4	ng	322583	5	14.074	1468810	20.0
Pyrene, 4-methyl-	13.304	2.9	ng	214567	5	14.074	1468810	20.0