LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143722.D
Acq On : 11 Sep 2025 22:53
Operator : RC/JU
Sample : Q3072-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP

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-BF091025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143722.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	487	495	501	rBB	22599	32943	6.19%	0.528%
2	5.498	557	562	568	rBV	259931	344881	64.77%	5.524%
3	6.504	728	733	738	rBV	262757	334425	62.81%	5.356%
4	6.892	794	799	804	rBB	167963	199060	37.39%	3.188%
5	7.451	888	894	899	rBV	170980	216065	40.58%	3.461%
6	8.175	1012	1017	1024	rBV	213960	262043	49.21%	4.197%
7	9.251	1194	1200	1209	rBV	348938	440832	82.79%	7.061%
8	9.927	1310	1315	1320	rBV	218812	284233	53.38%	4.552%
9	9.963	1320	1321	1325	rVB	9364	6508	1.22%	0.104%
10	10.133	1345	1350	1354	rBV	5686	6546	1.23%	0.105%
11	10.474	1404	1408	1413	rVB	11025	13217	2.48%	0.212%
12	10.639	1432	1436	1444	rVB	30972	39076	7.34%	0.626%
13	10.716	1444	1449	1455	rBV	176928	219101	41.15%	3.509%
14	11.221	1531	1535	1538	rVB	4435	5335	1.00%	0.085%
15	11.316	1548	1551	1556	rVB	5833	6503	1.22%	0.104%
16	11.416	1563	1568	1571	rBV	178248	265541	49.87%	4.253%
17	11.439	1571	1572	1577	rVV	129773	123313	23.16%	1.975%
18	11.492	1577	1581	1585	rVV	33973	42122	7.91%	0.675%
19	11.645	1600	1607	1614	rBV2	12873	19696	3.70%	0.315%
20	11.869	1641	1645	1649	rVB	5928	7067	1.33%	0.113%
21	11.945	1649	1658	1663	rBV2	66452	116614	21.90%	1.868%
22	11.992	1663	1666	1669	rVV2	10197	14987	2.81%	0.240%
23	12.033	1669	1673	1681	rVB2	27628	48971	9.20%	0.784%
24	12.216	1700	1704	1706	rBV	9994	13069	2.45%	0.209%
25	12.363	1723	1729	1732	rBV4	4016	6325	1.19%	0.101%
26	12.468	1742	1747	1750	rBV	14362	20411	3.83%	0.327%
27	12.504	1750	1753	1758	rVV4	8492	14895	2.80%	0.239%
28	12.557	1758	1762	1767	rVB3	9870	15437	2.90%	0.247%
29	12.633	1767	1775	1780	rBV	218576	283159	53.18%	4.535%
30	12.727	1787	1791	1796	rBV2	12064	18087	3.40%	0.290%
31	12.786	1798	1801	1806	rVB	6842	9477	1.78%	0.152%
32	12.863	1806	1814	1819	rBV	187630	288938	54.27%	4.628%
33	12.910	1819	1822	1828	rVB2	9613	14736	2.77%	0.236%
34	13.004	1828	1838	1845	rBV	305398	411053	77.20%	6.584%
35	13.080	1845	1851	1859	rBV4	18518	41575	7.81%	0.666%
36	13.186	1859	1869	1873	rBV2	32704	66039	12.40%	1.058%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143722.D
Acq On : 11 Sep 2025 22:53
Operator : RC/JU
Sample : Q3072-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP

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-BF091025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.251	1877	1880	1884	rVV	16634	22655	4.25%	0.363%
38	13.292	1884	1887	1894	rVB3	22512	32638	6.13%	0.523%
39	13.386	1899	1903	1905	rBV	9815	11320	2.13%	0.181%
40	13.415	1905	1908	1912	rBV2	9518	11573	2.17%	0.185%
41	13.586	1929	1937	1944	rBV10	10716	33191	6.23%	0.532%
42	13.692	1949	1955	1962	rBV	22951	43579	8.18%	0.698%
43	13.804	1969	1974	1977	rBV2	19713	33381	6.27%	0.535%
44	13.839	1977	1980	1982	rVV	11740	14741	2.77%	0.236%
45	13.904	1987	1991	1998	rVB4	38506	63373	11.90%	1.015%
46	14.057	2008	2017	2020	rBV2	306735	532453	100.00%	8.528%
47	14.162	2030	2035	2039	rBV2	22528	34968	6.57%	0.560%
48	14.280	2051	2055	2059	rVB3	14605	19152	3.60%	0.307%
49	14.380	2068	2072	2074	rBV4	9079	12480	2.34%	0.200%
50	14.410	2074	2077	2078	rVV2	8622	8721	1.64%	0.140%
51	14.445	2079	2083	2086	rVV	25252	35693	6.70%	0.572%
52	14.480	2086	2089	2092	rVB	17285	19496	3.66%	0.312%
53	14.533	2094	2098	2102	rBV3	18561	31960	6.00%	0.512%
54	14.574	2102	2105	2106	rBV2	8445	9697	1.82%	0.155%
55	14.757	2131	2136	2138	rBV4	10795	21329	4.01%	0.342%
56	14.839	2146	2150	2160	rVB7	23144	54586	10.25%	0.874%
57	15.104	2189	2195	2204	rBV	116481	285486	53.62%	4.572%
58	15.215	2211	2214	2219	rVB	26435	36954	6.94%	0.592%
59	15.304	2226	2229	2231	rBV3	8119	11033	2.07%	0.177%
60	15.409	2243	2247	2253	rVB2	55757	94086	17.67%	1.507%
61	15.474	2253	2258	2264	rBV	86128	127542	23.95%	2.043%
62	15.539	2264	2269	2273	rBV	119907	193197	36.28%	3.094%
63	16.021	2348	2351	2356	rVB3	12030	18526	3.48%	0.297%
64	16.274	2390	2394	2401	rVB7	10523	20553	3.86%	0.329%
65	16.545	2436	2440	2445	rBV3	7846	15222	2.86%	0.244%
66	17.027	2516	2522	2530	rVB2	32960	73611	13.82%	1.179%
67	17.474	2592	2598	2615	rVB	25453	68143	12.80%	1.091%

Sum of corrected areas: 6243619

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
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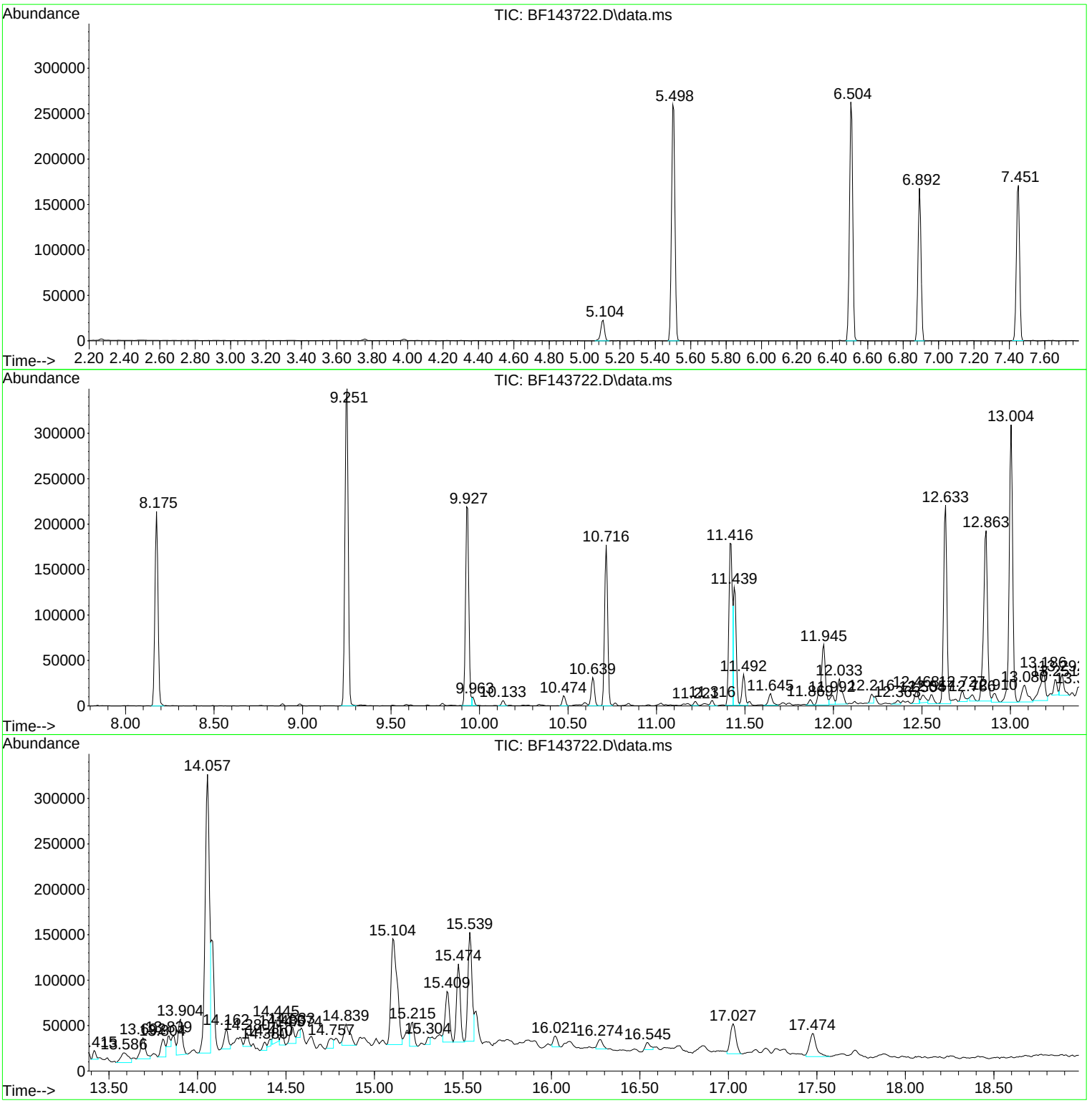
Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.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\BF091125\
Data File : BF143722.D
Acq On : 11 Sep 2025 22:53
Operator : RC/JU
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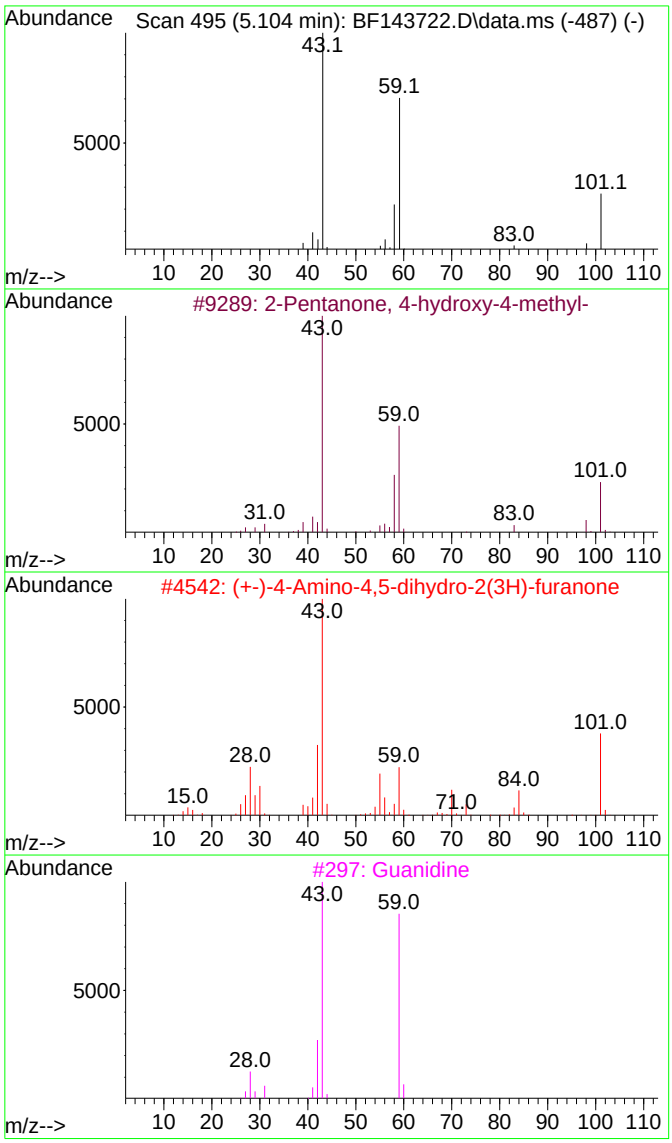
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

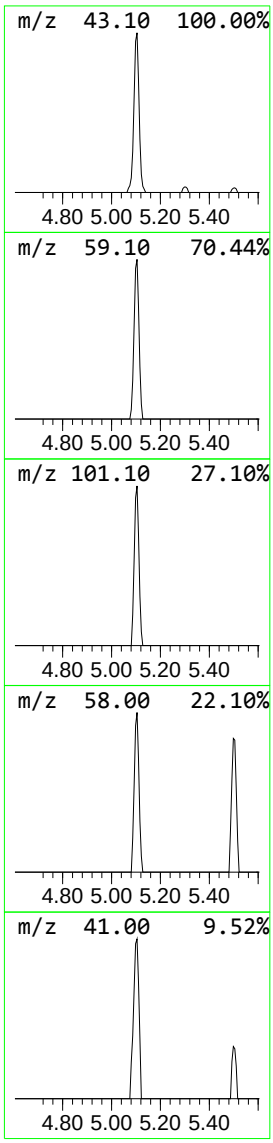
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	3.31 ng	32943	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	23
3	Guanidine	59	CH5N3	000113-00-8	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
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Acq On : 11 Sep 2025 22:53
Operator : RC/JU
Sample : Q3072-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

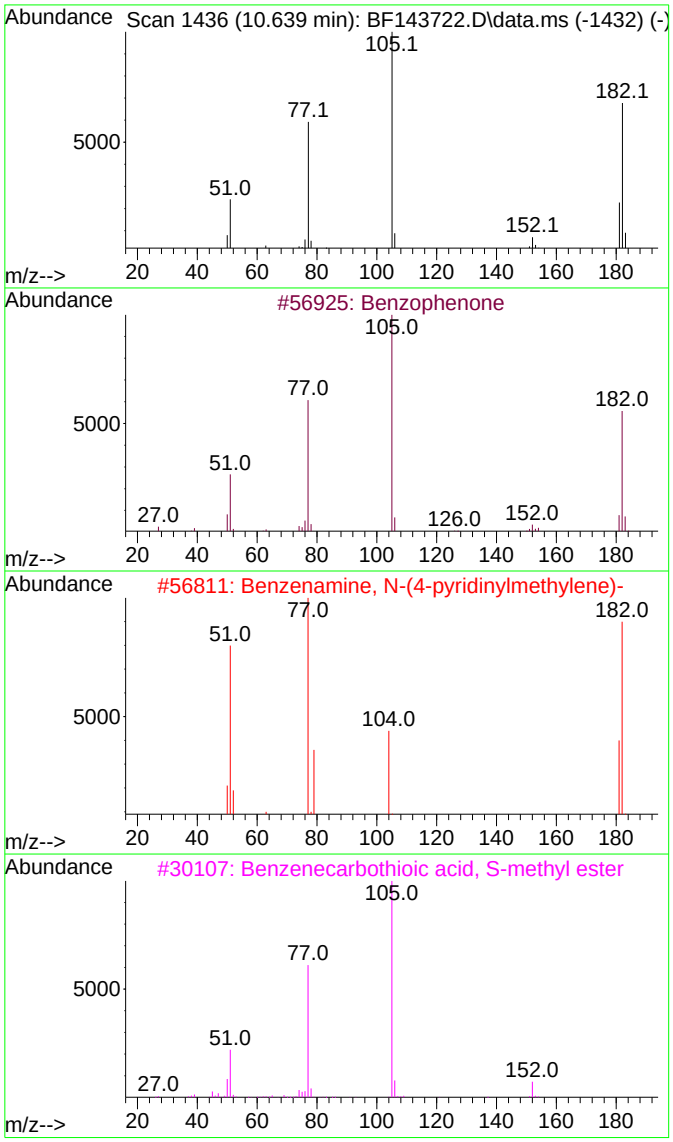
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

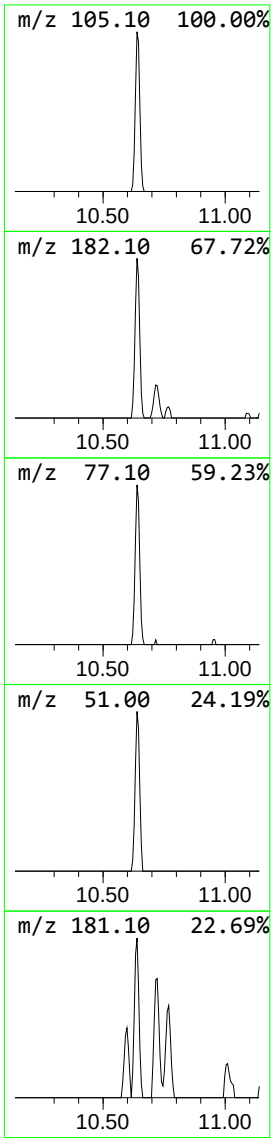
****

Peak Number 2 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.639	2.75 ng	39076	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzenamine, N-(4-pyridinylmethy...	182	C12H10N2	027768-46-3	50
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	43
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
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Sample : Q3072-01 2X
Misc :
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Instrument :
BNA_F
ClientSampleId :
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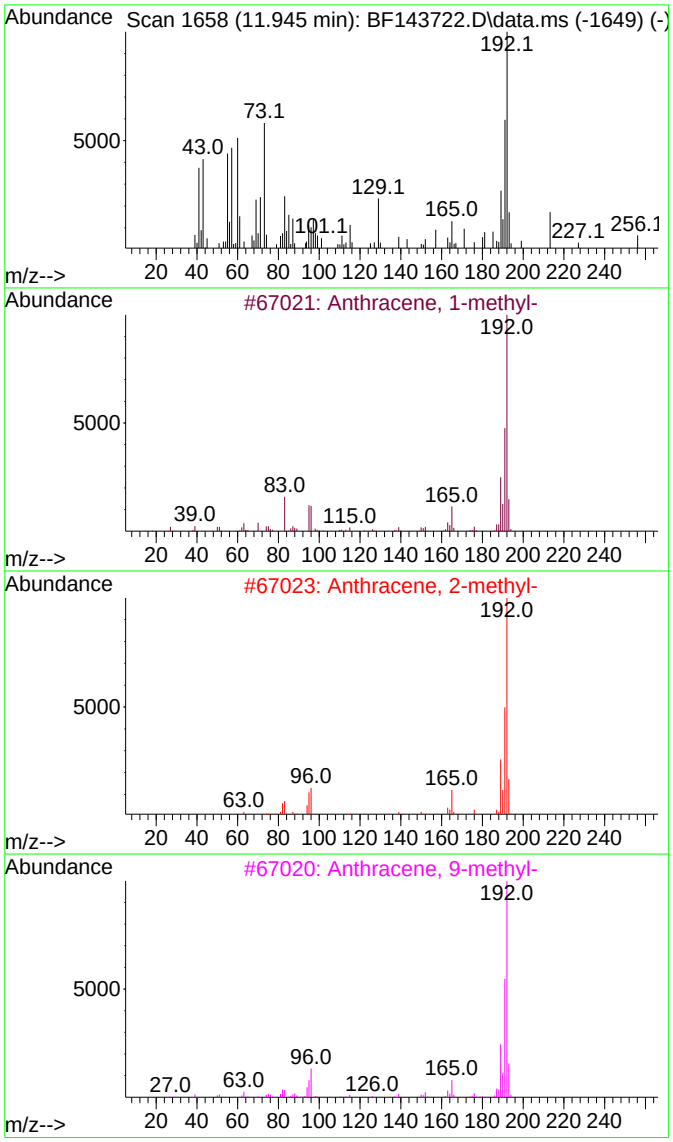
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

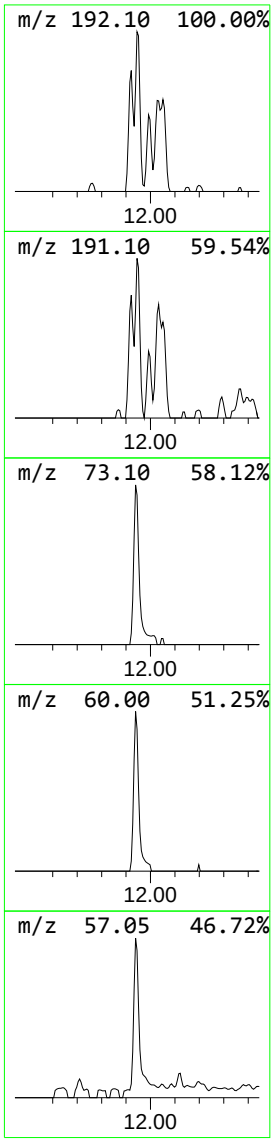
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	8.78 ng	116614	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143722.D
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ALS Vial : 23 Sample Multiplier: 1

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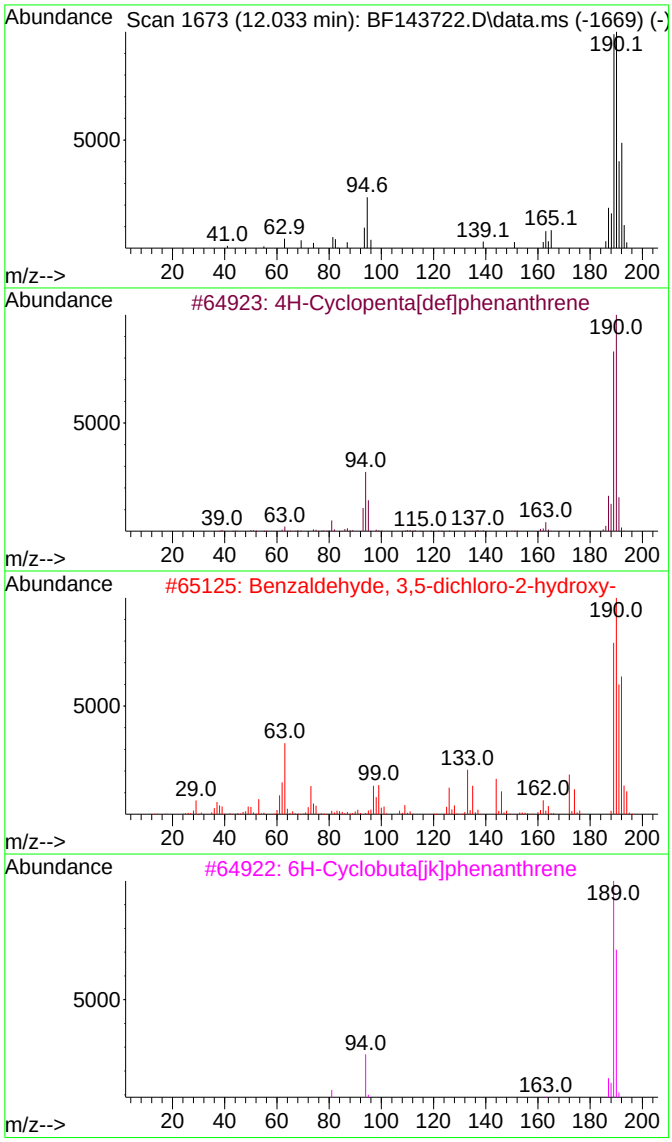
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

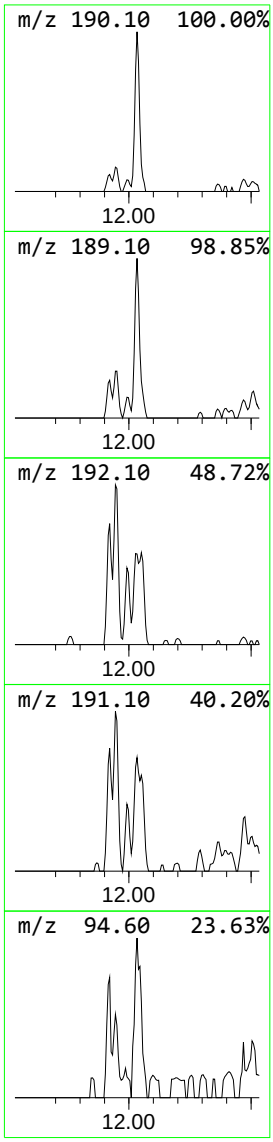
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	3.69 ng	48971	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
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Operator : RC/JU
Sample : Q3072-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

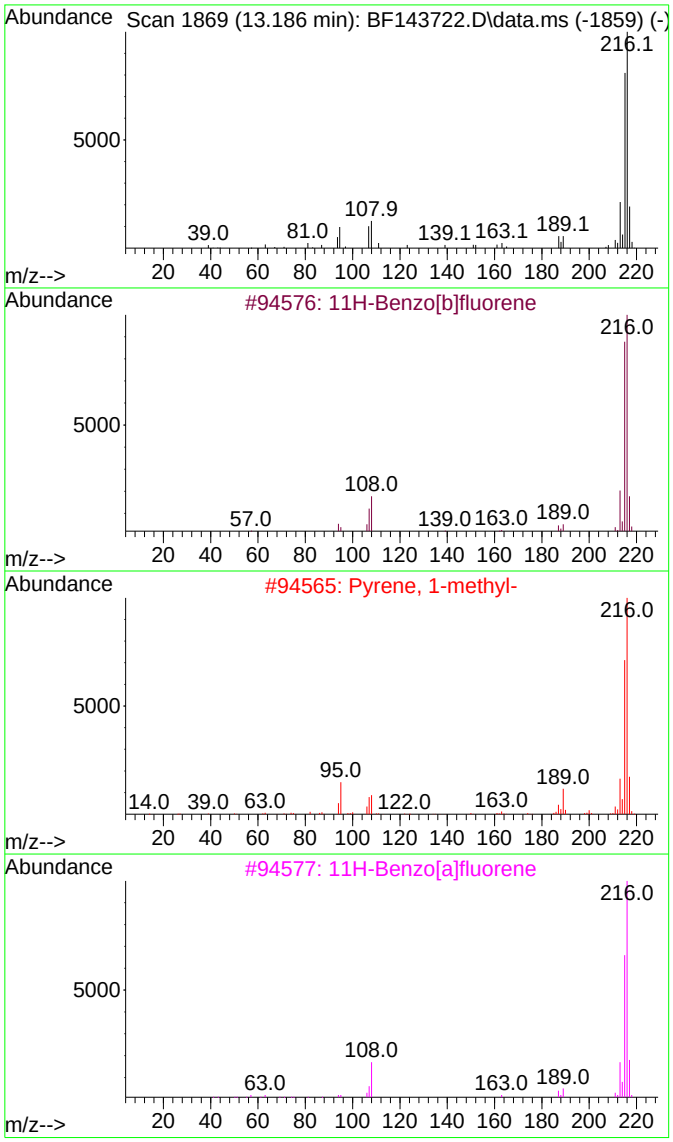
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

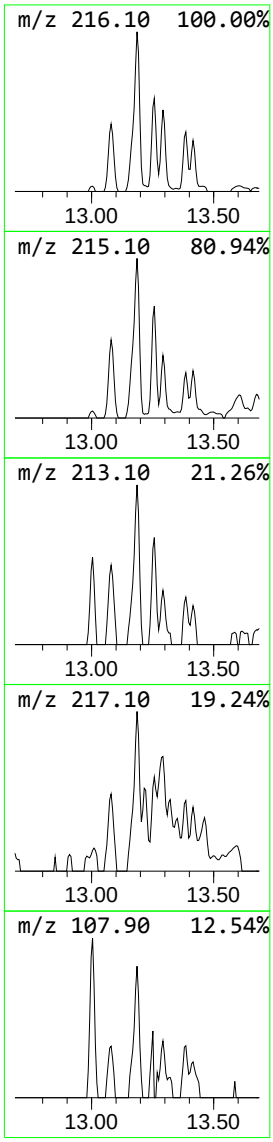
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	2.48 ng	66039	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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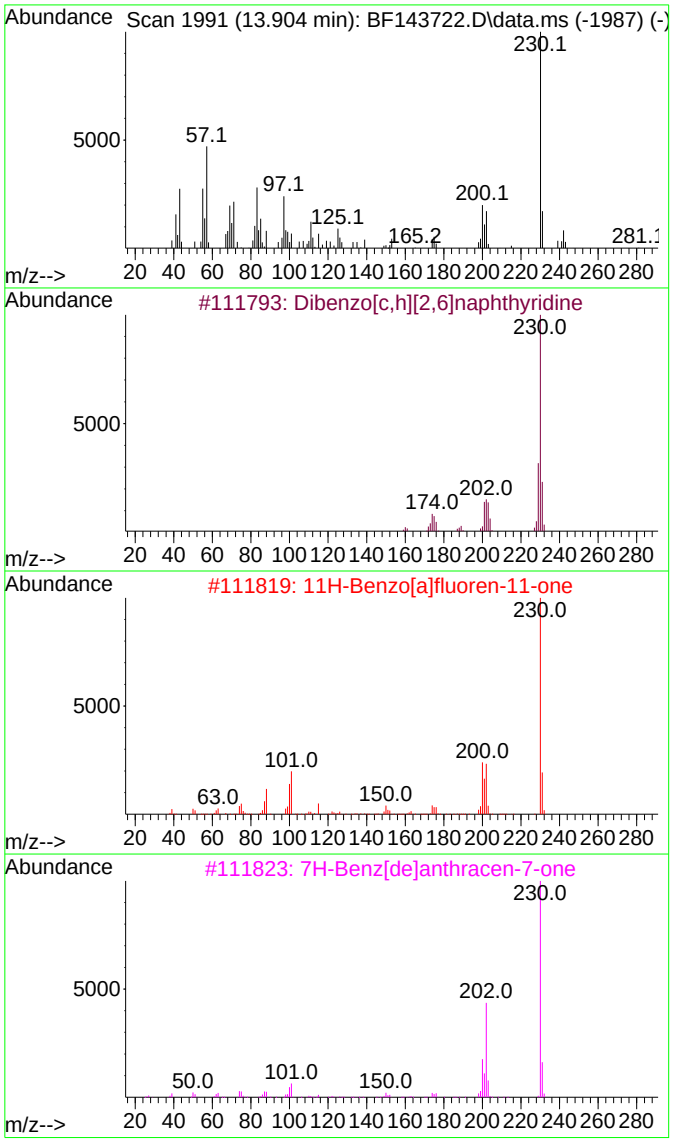
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

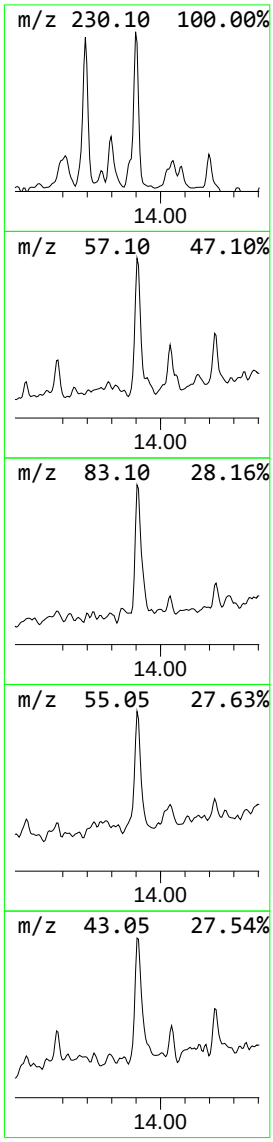
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Dibenzo[c,h][2,6]naphthyridine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	2.38 ng	63373	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	72
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	64
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	60
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	46
5	benzonitrile, 2-(3-isoquinolinyl)-	230	C16H10N2	1000401-00-3	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143722.D
Acq On : 11 Sep 2025 22:53
Operator : RC/JU
Sample : Q3072-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

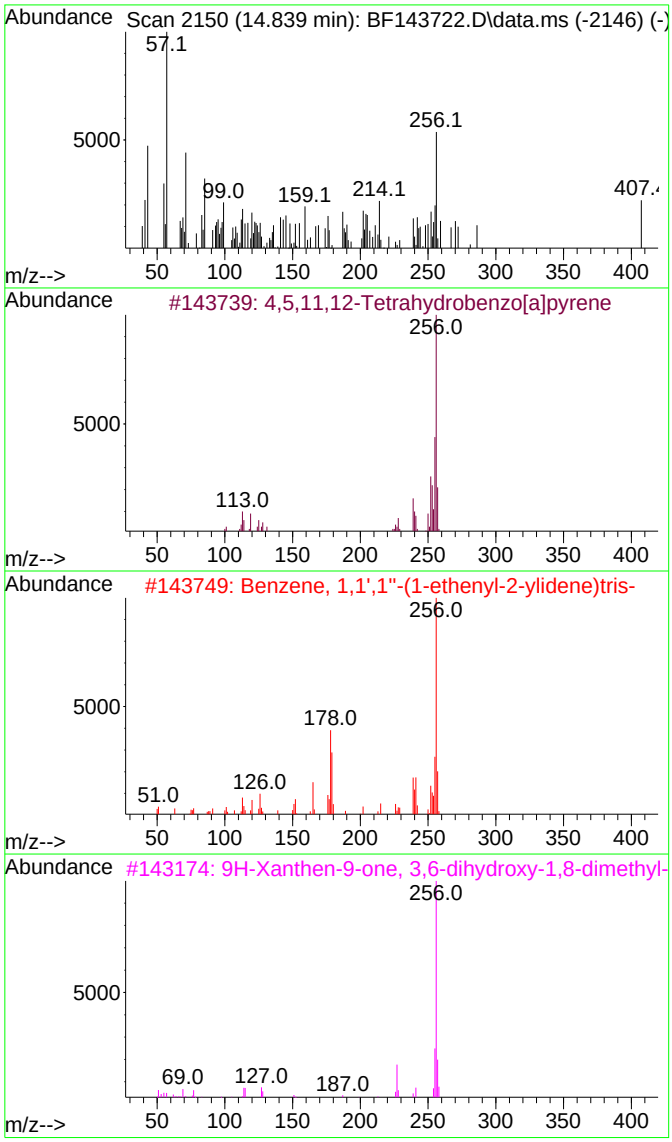
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

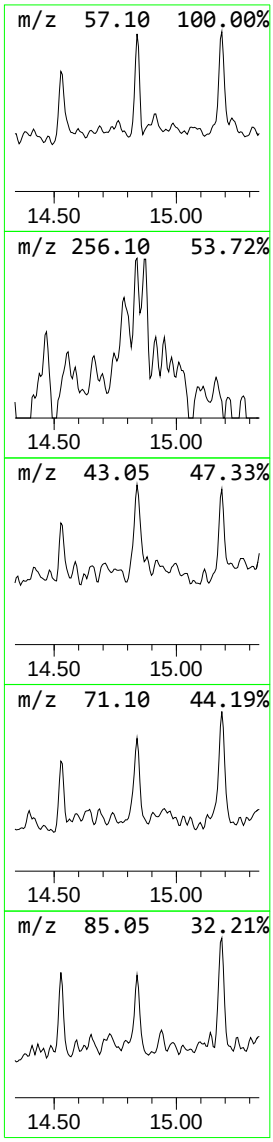
****

Peak Number 7 unknown14.839 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.839	5.65 ng	54586	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	16
2	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	16
3	9H-Xanthen-9-one, 3,6-dihydroxy-...	256	C15H12O4	067065-96-7	16
4	(Tetra-t-butoxycyclopentadienone...	508	C24H36FeO8	117696-74-9	16
5	2-Propen-1-one, 1-(2,4-dihydroxy...	256	C15H12O4	013745-20-5	16





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Acq On : 11 Sep 2025 22:53
Operator : RC/JU
Sample : Q3072-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.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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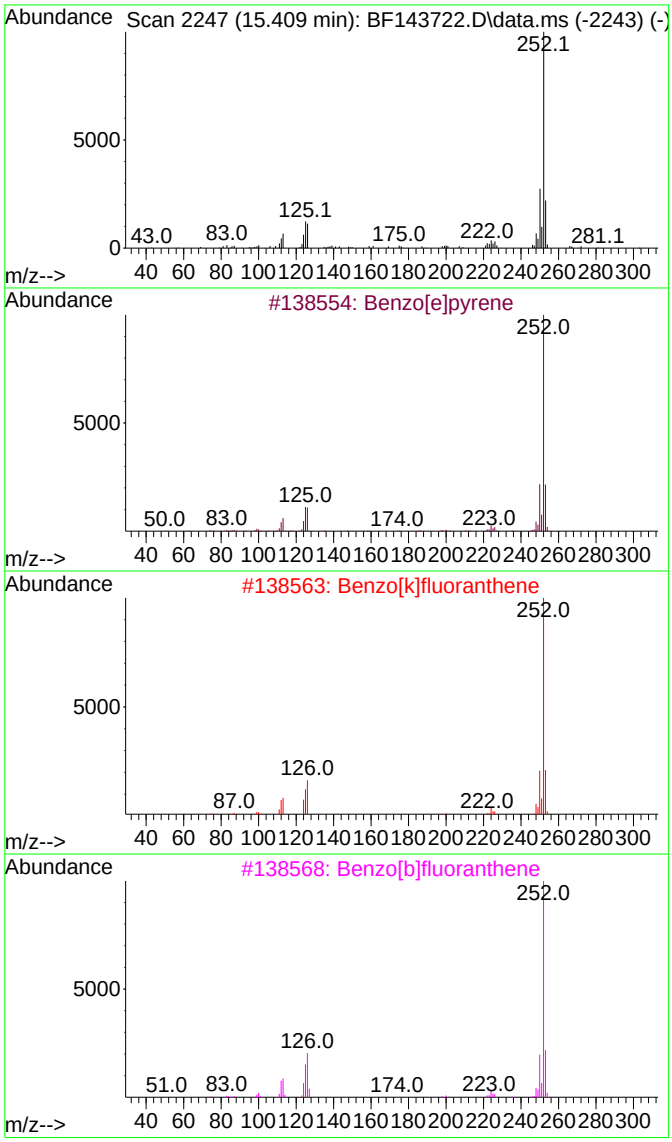
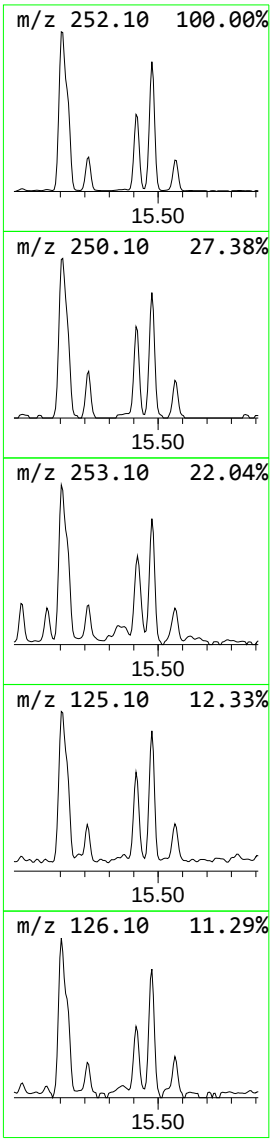
Peak Number 9 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.410	9.74 ng	94086	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Perylene	252	C20H12	000198-55-0	93





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Data File : BF143722.D
Acq On : 11 Sep 2025 22:53
Operator : RC/JU
Sample : Q3072-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.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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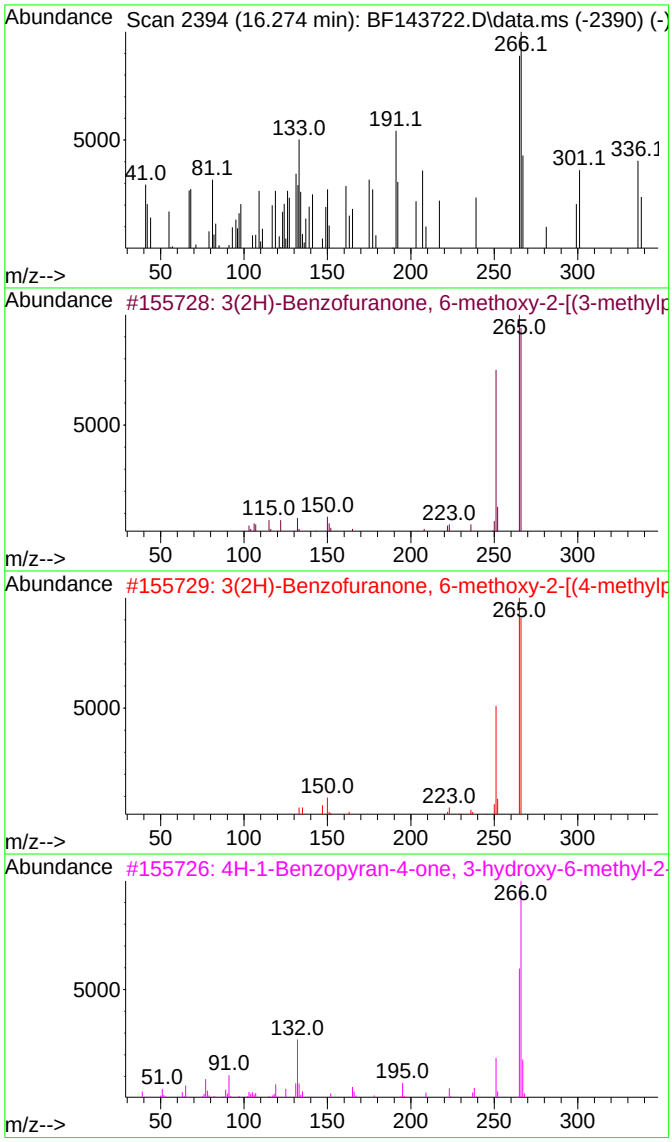
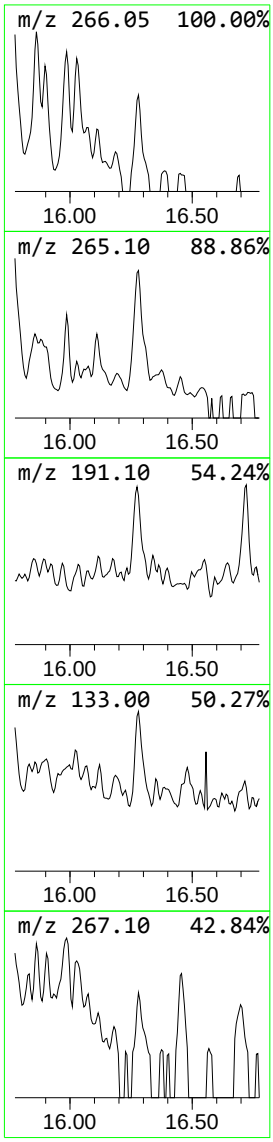
Peak Number 10 unknown16.274 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.274	2.13 ng	20553	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3(2H)-Benzofuranone, 6-methoxy-2...	266	C17H14O3	077764-86-4	27
2	3(2H)-Benzofuranone, 6-methoxy-2...	266	C17H14O3	077764-87-5	27
3	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	27
4	Cyclopentylidene-(4-phenyl-thiaz...	266	C16H14N2S	1000300-05-0	25
5	3,5-Dimethoxycinnamic acid, TBDM...	322	C17H26O4Si	1000352-43-6	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143722.D
Acq On : 11 Sep 2025 22:53
Operator : RC/JU
Sample : Q3072-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.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
2-Pentanone, 4-...	5.104	3.3	ng	32943	1	6.892	199060	20.0
Benzophenone	10.639	2.8	ng	39076	3	9.933	284233	20.0
Anthracene, 1-m...	11.945	8.8	ng	116614	4	11.416	265541	20.0
4H-Cyclopenta[d...	12.033	3.7	ng	48971	4	11.416	265541	20.0
11H-Benzo[b]flu...	13.186	2.5	ng	66039	5	14.063	532453	20.0
Dibenzo[c,h][2,...	13.904	2.4	ng	63373	5	14.063	532453	20.0
unknown14.839	14.839	5.7	ng	54586	6	15.539	193197	20.0
Benzo[e]pyrene	15.410	9.7	ng	94086	6	15.539	193197	20.0
unknown16.274	16.274	2.1	ng	20553	6	15.539	193197	20.0