LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142437.D
Acq On : 16 May 2025 20:09
Operator : RC/JU
Sample : Q2047-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-051425

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-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142437.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.981	297	304	309	rBV	7309	11761	1.26%	0.089%
2	5.104	488	495	511	rVB	65501	92201	9.89%	0.701%
3	5.504	558	563	574	rBV	631001	849964	91.16%	6.464%
4	6.516	730	735	753	rBV	647167	808166	86.68%	6.146%
5	6.904	795	801	806	rBV	515706	656413	70.40%	4.992%
6	7.457	890	895	900	rBV	404645	495707	53.17%	3.770%
7	7.716	934	939	945	rVB	7704	10306	1.11%	0.078%
8	8.181	1013	1018	1033	rBV	560189	732696	78.58%	5.572%
9	8.892	1135	1139	1146	rVB	14190	17807	1.91%	0.135%
10	8.992	1152	1156	1162	rBV	18141	22827	2.45%	0.174%
11	9.257	1195	1201	1210	rBV	645172	821154	88.07%	6.245%
12	9.522	1241	1246	1250	rBV	12744	18309	1.96%	0.139%
13	9.592	1254	1258	1261	rBV	22775	31686	3.40%	0.241%
14	9.622	1261	1263	1266	rVB	11060	10771	1.16%	0.082%
15	9.710	1274	1278	1289	rBV	12860	21036	2.26%	0.160%
16	9.798	1289	1293	1297	rBV3	10584	13446	1.44%	0.102%
17	9.933	1310	1316	1320	rBV	483055	634885	68.09%	4.828%
18	9.969	1320	1322	1330	rVB	45555	52337	5.61%	0.398%
19	10.039	1330	1334	1339	rBV	7798	12476	1.34%	0.095%
20	10.092	1339	1343	1347	rBV2	9527	13559	1.45%	0.103%
21	10.139	1347	1351	1355	rVV	24602	32889	3.53%	0.250%
22	10.175	1355	1357	1363	rVV	9600	12562	1.35%	0.096%
23	10.251	1363	1370	1373	rVV2	10904	20482	2.20%	0.156%
24	10.345	1381	1386	1387	rVV2	9651	14599	1.57%	0.111%
25	10.363	1387	1389	1392	rVB2	13515	12930	1.39%	0.098%
26	10.480	1405	1409	1415	rBV	60298	81283	8.72%	0.618%
27	10.551	1415	1421	1422	rBV2	14872	25237	2.71%	0.192%
28	10.569	1422	1424	1431	rVV4	16677	32638	3.50%	0.248%
29	10.645	1433	1437	1442	rVB	81410	104393	11.20%	0.794%
30	10.722	1445	1450	1457	rBV	349684	445442	47.77%	3.388%
31	10.845	1466	1471	1477	rVB4	19533	33810	3.63%	0.257%
32	11.027	1497	1502	1505	rBV	24841	39793	4.27%	0.303%
33	11.057	1505	1507	1511	rVV2	15453	20400	2.19%	0.155%
34	11.116	1514	1517	1520	rVB	13758	16390	1.76%	0.125%
35	11.157	1520	1524	1526	rBV5	7334	12874	1.38%	0.098%
36	11.227	1533	1536	1540	rVB4	7593	10245	1.10%	0.078%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
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Acq On : 16 May 2025 20:09
Operator : RC/JU
Sample : Q2047-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

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-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.286	1540	1546	1548	rBV3	16669	30822	3.31%	0.234%
38	11.322	1548	1552	1557	rVB	32510	47656	5.11%	0.362%
39	11.422	1564	1569	1571	rBV	513466	664615	71.28%	5.054%
40	11.445	1571	1573	1578	rVV	448970	524940	56.30%	3.992%
41	11.498	1578	1582	1586	rVB	108514	133475	14.32%	1.015%
42	11.657	1605	1609	1615	rBV	16897	27966	3.00%	0.213%
43	11.716	1615	1619	1623	rBV2	22921	31737	3.40%	0.241%
44	11.751	1623	1625	1631	rVB2	15992	20819	2.23%	0.158%
45	11.810	1632	1635	1638	rBV	11480	15743	1.69%	0.120%
46	11.951	1650	1659	1664	rVV2	163154	370948	39.78%	2.821%
47	11.998	1664	1667	1670	rVV	45099	64294	6.90%	0.489%
48	12.039	1670	1674	1682	rVB2	152812	289613	31.06%	2.203%
49	12.122	1684	1688	1691	rBV3	17486	23537	2.52%	0.179%
50	12.222	1700	1705	1715	rVB3	56682	114978	12.33%	0.874%
51	12.298	1715	1718	1724	rVB2	8454	10693	1.15%	0.081%
52	12.369	1727	1730	1733	rBV2	14798	16437	1.76%	0.125%
53	12.398	1733	1735	1738	rBV	11869	13548	1.45%	0.103%
54	12.474	1744	1748	1750	rBV	50633	66755	7.16%	0.508%
55	12.516	1750	1755	1760	rVV4	78641	158163	16.96%	1.203%
56	12.563	1760	1763	1768	rVV2	19581	31120	3.34%	0.237%
57	12.639	1771	1776	1780	rVV	414206	530197	56.86%	4.032%
58	12.727	1789	1791	1794	rBV4	16287	16660	1.79%	0.127%
59	12.863	1808	1814	1821	rBV	443400	679358	72.86%	5.167%
60	13.004	1833	1838	1846	rVB	639890	875487	93.90%	6.658%
61	13.080	1847	1851	1858	rBV3	45493	88341	9.47%	0.672%
62	13.192	1864	1870	1874	rVB2	84137	140865	15.11%	1.071%
63	13.257	1878	1881	1885	rVV	60905	76383	8.19%	0.581%
64	13.298	1885	1888	1892	rVV	42846	52237	5.60%	0.397%
65	13.392	1901	1904	1906	rBV	22453	24533	2.63%	0.187%
66	13.421	1906	1909	1913	rVV	28811	32910	3.53%	0.250%
67	14.063	2012	2018	2029	rVB2	496801	932391	100.00%	7.091%
68	15.115	2193	2197	2206	rBV	91405	210612	22.59%	1.602%
69	15.486	2257	2260	2266	rVV	71994	106825	11.46%	0.812%
70	15.557	2267	2272	2284	rVB	262628	480873	51.57%	3.657%

Sum of corrected areas: 13149005

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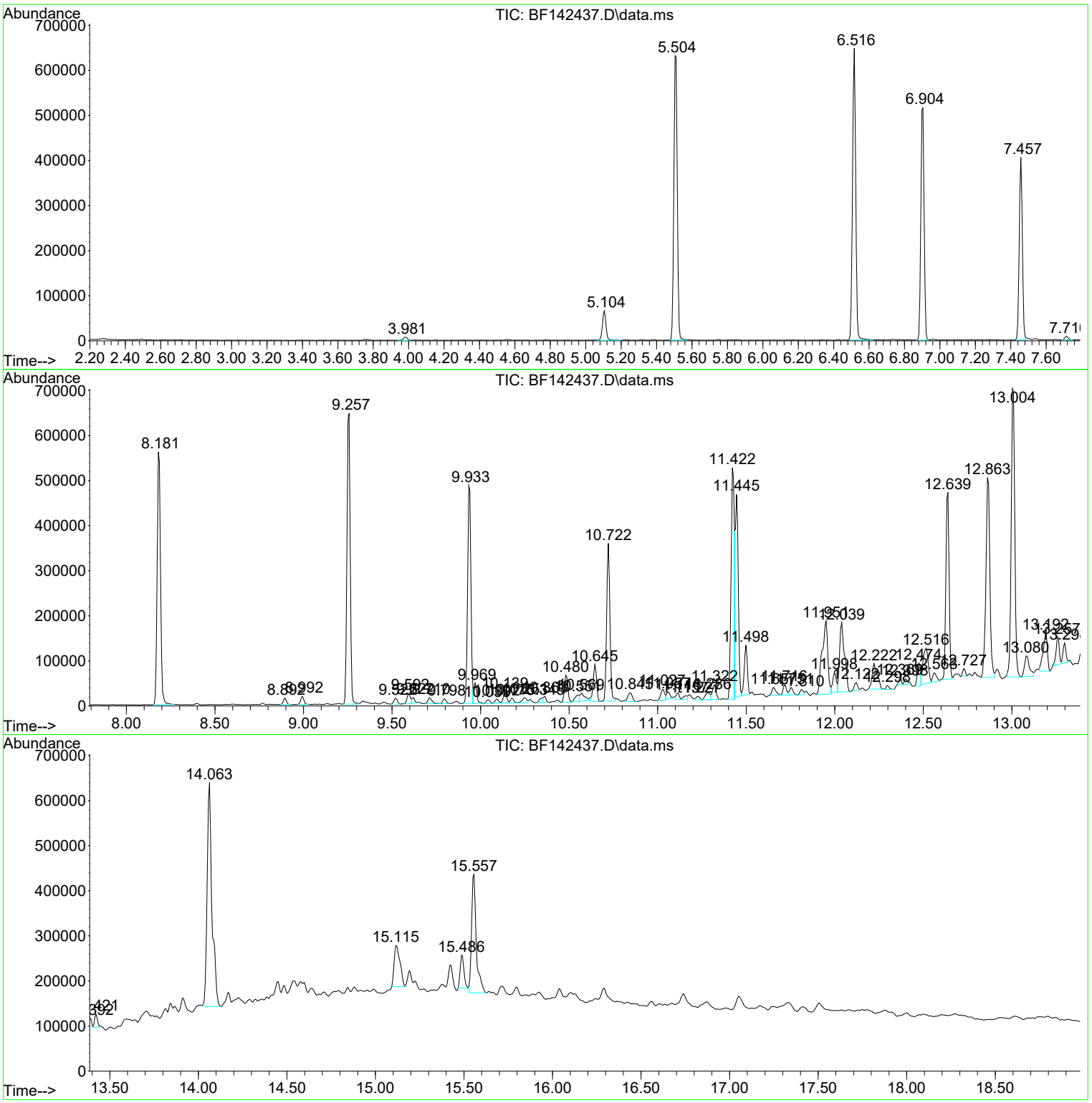
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051625\
Data File : BF142437.D
Acq On : 16 May 2025 20:09
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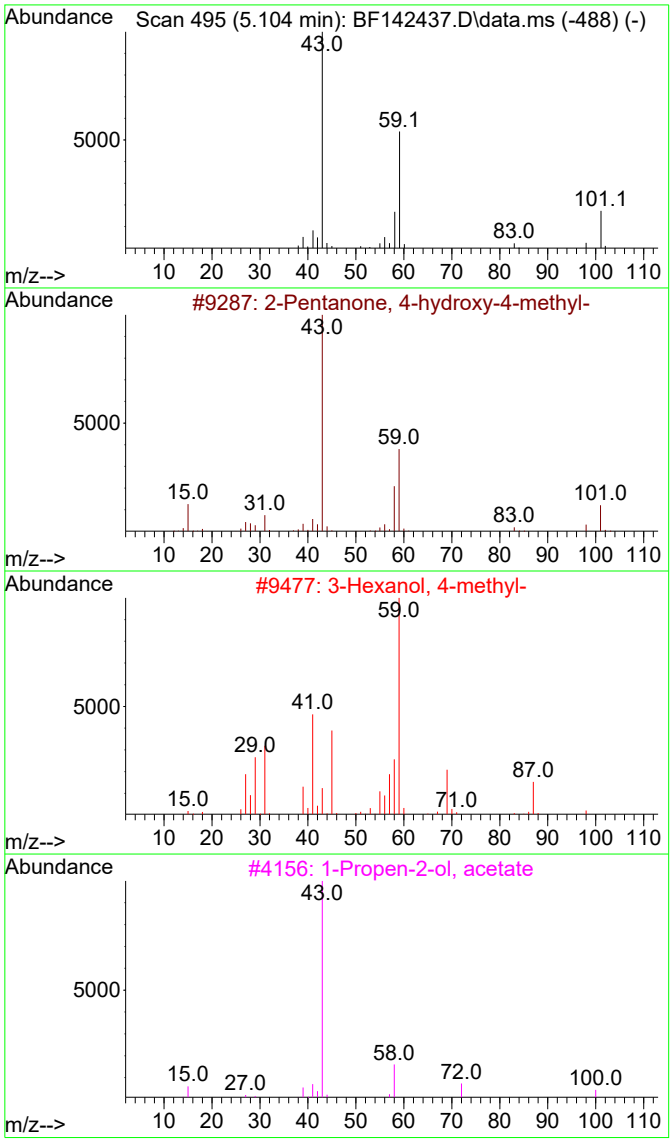
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

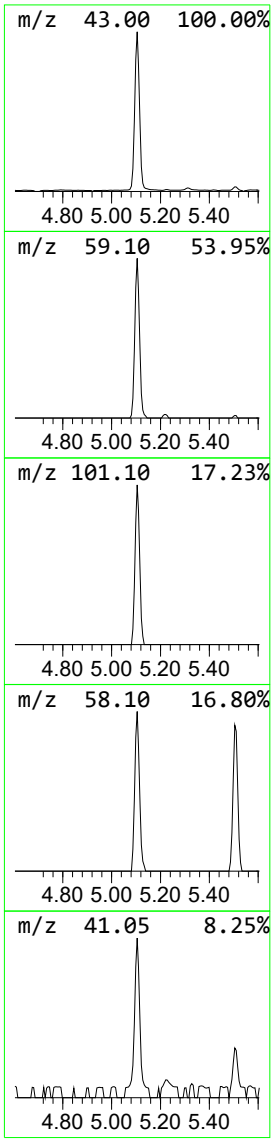
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	2.81 ng	92201	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142437.D
Acq On : 16 May 2025 20:09
Operator : RC/JU
Sample : Q2047-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

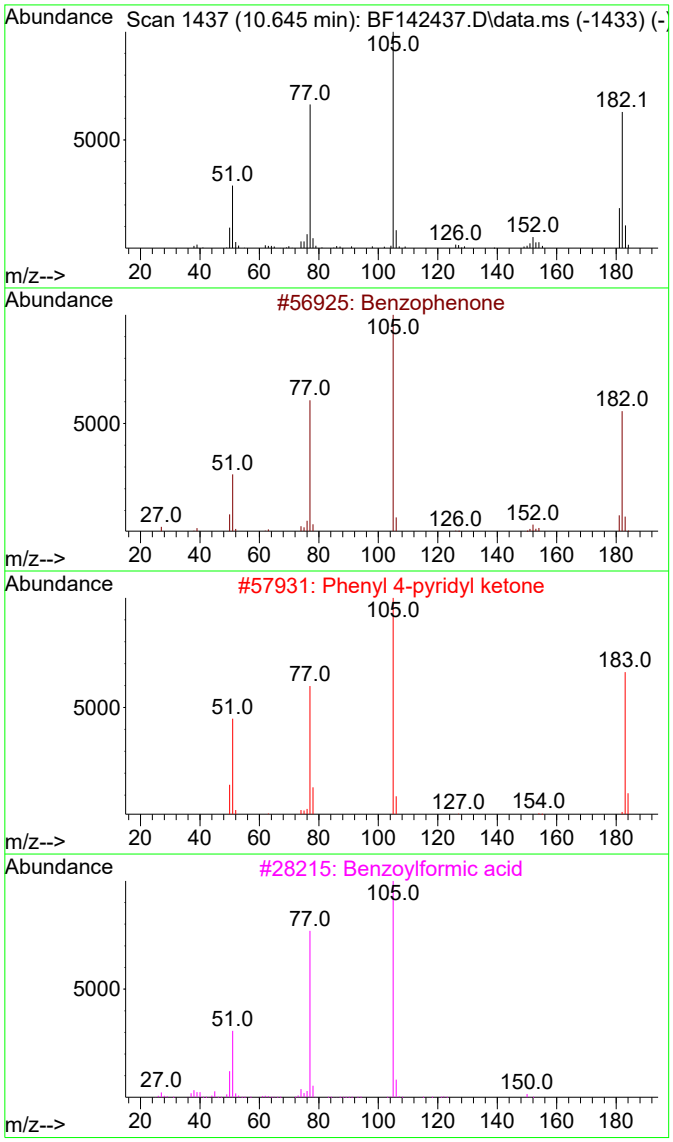
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

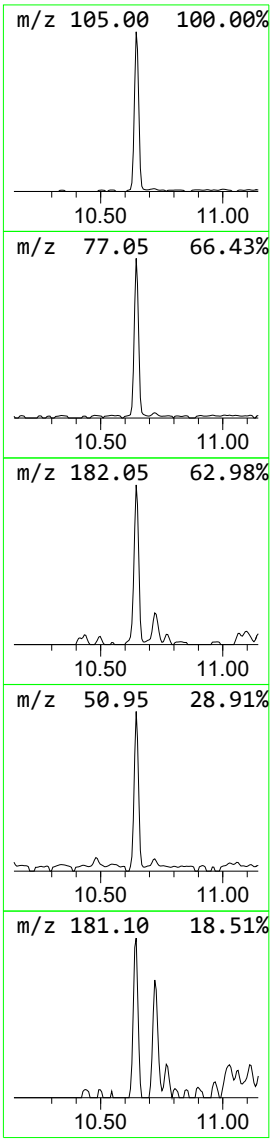
****

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	3.29 ng	104393	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	Benzoylformic acid	150	C8H6O3	000611-73-4	49
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
5	Phenacyl thiocyanate	177	C9H7NOS	005399-30-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
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Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

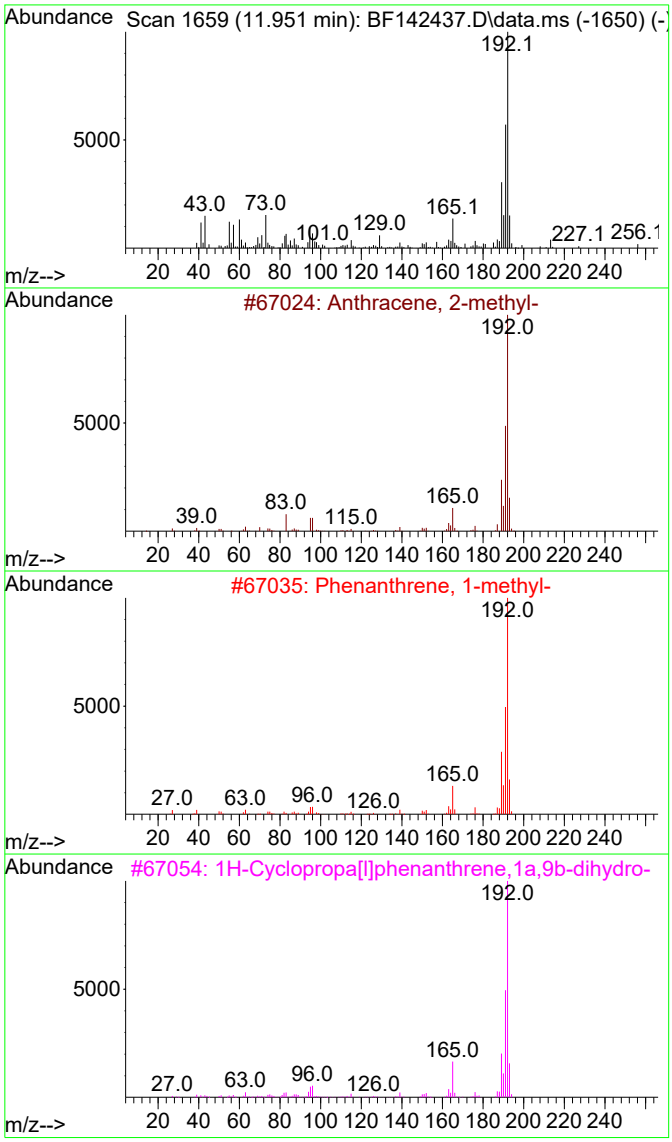
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

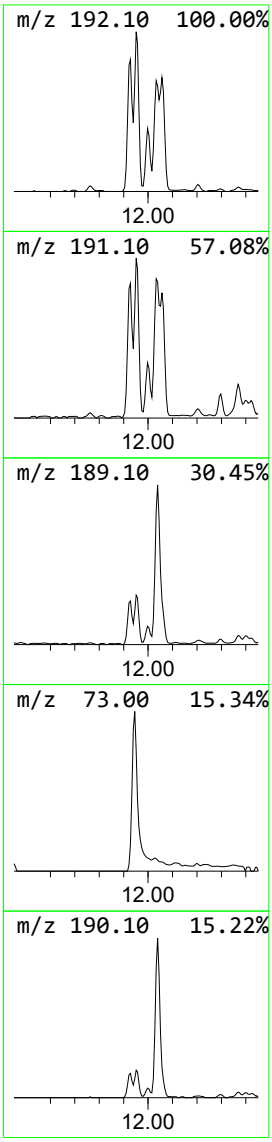
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	11.16 ng	370948	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142437.D
Acq On : 16 May 2025 20:09
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Instrument :
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ClientSampleId :
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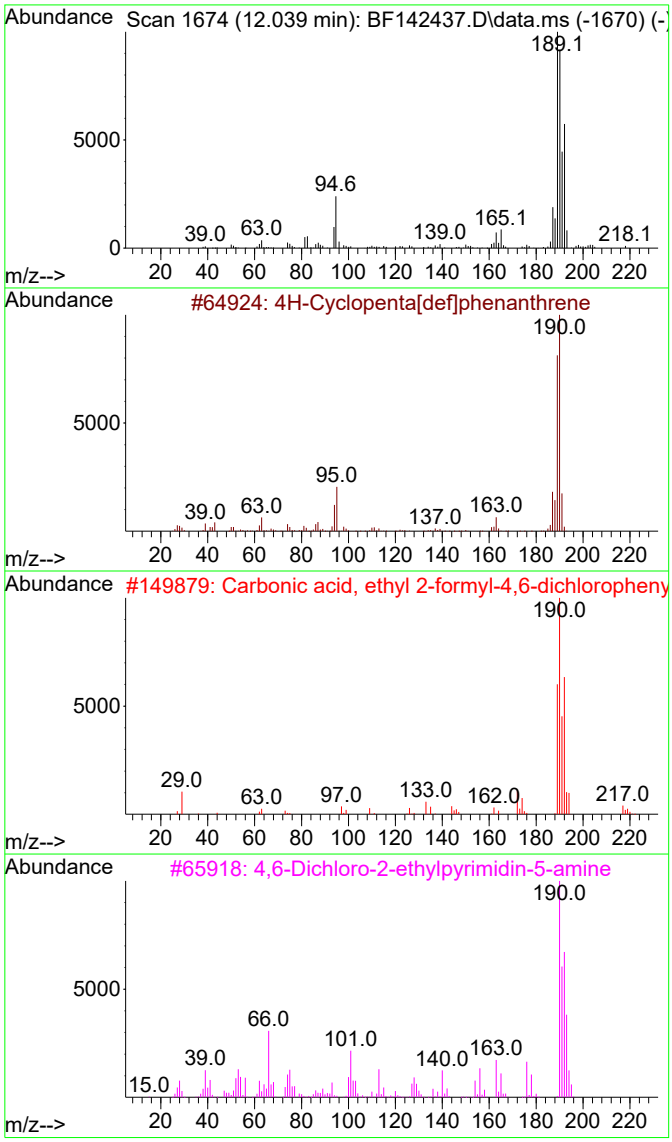
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

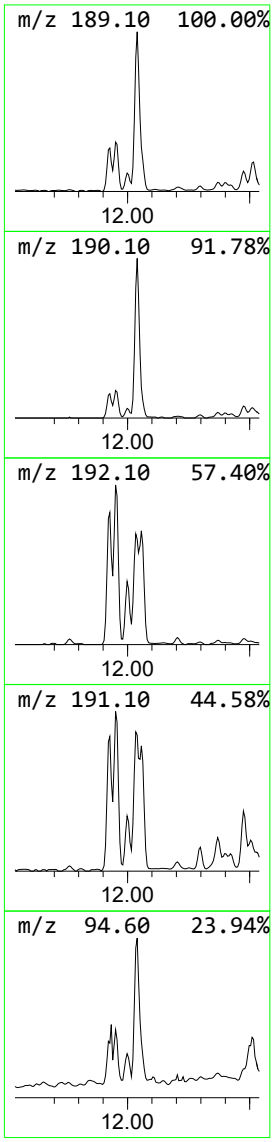
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	8.72 ng	289613	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
3	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

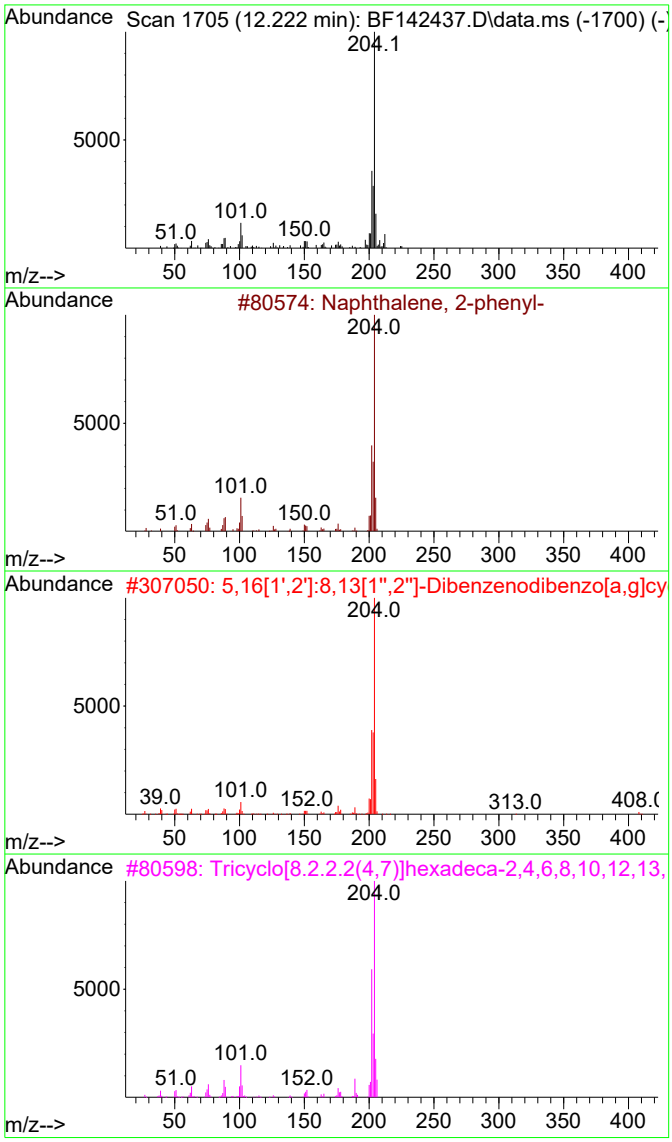
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

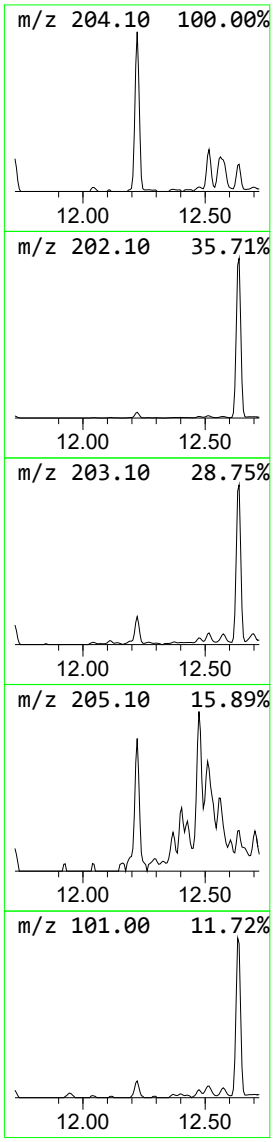
****

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.222	3.46 ng	114978	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142437.D
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Sample : Q2047-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

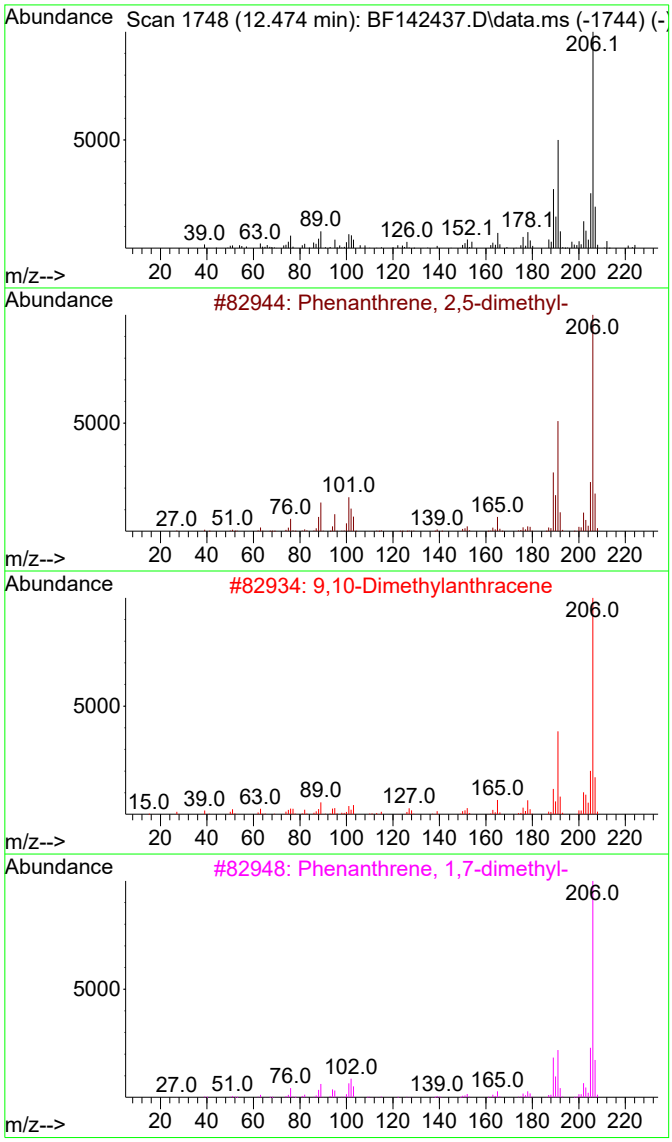
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

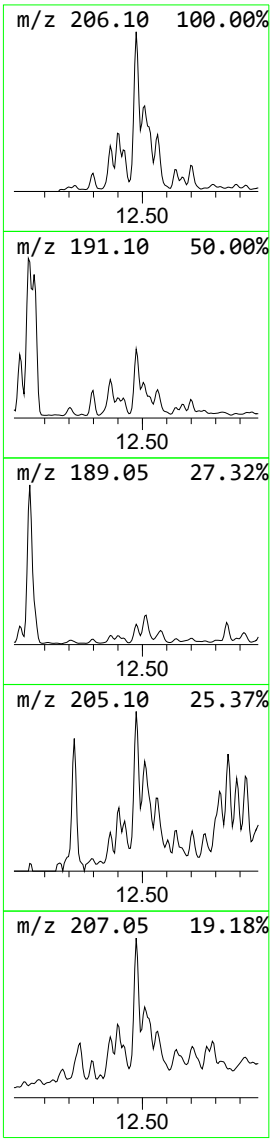
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.475	2.01 ng	66755	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142437.D
Acq On : 16 May 2025 20:09
Operator : RC/JU
Sample : Q2047-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

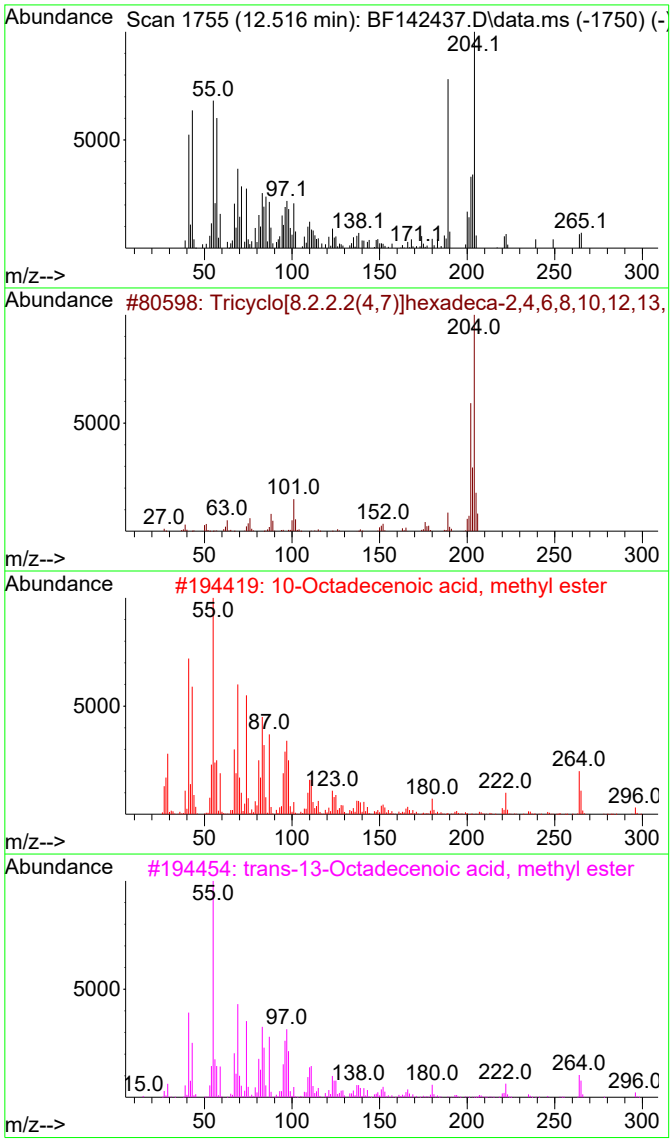
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

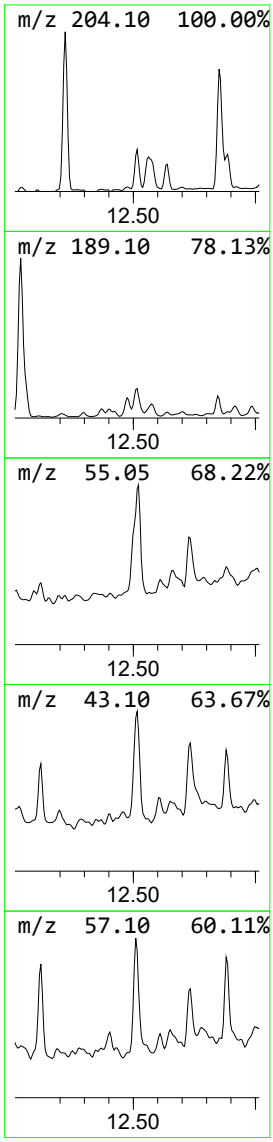
****

Peak Number 7 unknown12.516 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	4.76 ng	158163	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30
2	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	25
3	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	25
4	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	25
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142437.D
Acq On : 16 May 2025 20:09
Operator : RC/JU
Sample : Q2047-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

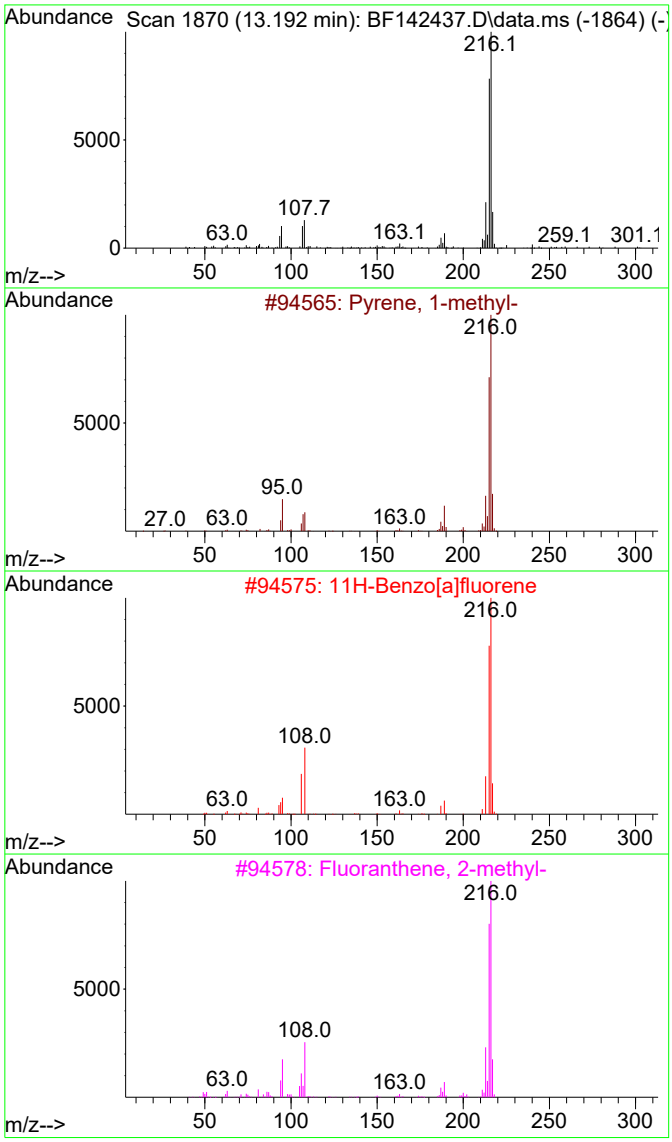
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

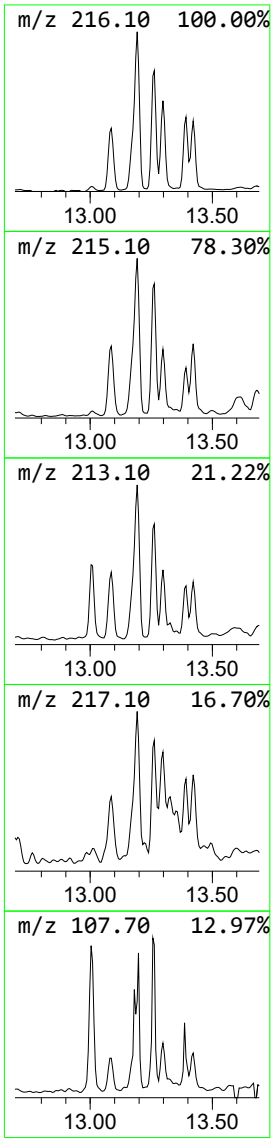
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	3.02 ng	140865	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142437.D
Acq On : 16 May 2025 20:09
Operator : RC/JU
Sample : Q2047-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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	2.8	ng	92201	1	6.904	656413	20.0
Benzophenone	10.645	3.3	ng	104393	3	9.933	634885	20.0
Anthracene, 2-m...	11.951	11.2	ng	370948	4	11.422	664615	20.0
4H-Cyclopenta[d...	12.039	8.7	ng	289613	4	11.422	664615	20.0
Naphthalene, 2-...	12.222	3.5	ng	114978	4	11.422	664615	20.0
Phenanthrene, 2...	12.475	2.0	ng	66755	4	11.422	664615	20.0
unknown12.516	12.516	4.8	ng	158163	4	11.422	664615	20.0
Pyrene, 1-methyl-	13.192	3.0	ng	140865	5	14.063	932391	20.0